

LDDC hires outsider to assess highway scheme

THE London Docklands Development Corporation has appointed outside urban design consultants to assess the impact of major new highway proposals in Tower Hamlets.

The £40 million, four-lane, "cut and cover" road scheme — chosen by the LDDC because it has the least environmental impact, will begin at the Highway, passing under Limehouse Basin and ending at a new junction with Westferry Road.

If the road does go ahead it would mean the demolition of a block on the troubled St Vincent Estate, with the loss of around 70 homes, and Burrell House, a 30 person-estate off the Highway.

The consultant, Tony Mead, was originally asked to present a scheme for a triangular parcel of land bounded by Garford Street in Limehouse that would be dramatically affected by the road.

Mead's proposals — which will be considered by the LDDC this week — are for a mixed private development of 50 flats

and workshops. The site is described as "very difficult" but with "great value as an interchange site".

His brief was later extended by the LDDC to include ways of replacing the housing lost by the

By Amanda Bailille

road scheme, as well as modelling existing blocks to deal with noise of the road, both during and after construction.

But local residents, represented by the Limehouse Development Group, have not been told who will be paying for the new and improved housing.

The group's chairman, Richard Roberts, said the cost of improvements should be met by the Department of Transport and the LDDC. He said it was still a "very grey area" with a very real threat that evicted tenants could end up in bed and breakfast accommodation.

The group also wants to see the resting of the Limehouse Club and the community centre,

both of which would be lost if the road goes ahead.

But the consultants have not been asked to look at the impact of the new highway on Seifert's controversial office and housing development at Limehouse Basin.

While the LDDC has not made any public announcement on its position regarding Limehouse, LDDC chairman Reg Ward has been taking an active part in negotiations with the site's owner — the British Waterways Board — and the Limehouse Development Group and Tower Hamlets council to try to negotiate some off-site planning gain for the community.

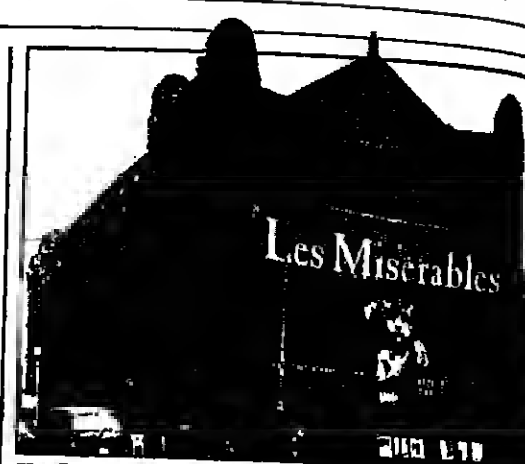
An offer made to the group in

early September for a parcel of land to the north of the Limehouse viaduct for community use was rejected as insubstantial.

The LDDC is still waiting to see Seifert's revised scheme, which has had to take the new road into account.

British Waterways Board architects are now known to be involved in the redesign. The BWB's annual report confirms that the Basin will not now be filled in. A spokesman from the board said the new scheme would be submitted for full planning permission by the end of the year.

The detailed plans would be released in stages, starting with the southern end of the site.



The Palace Theatre in Cambridge Circus is to receive a £150,000 triple-decker Victorian theatre needs extensive repairs to the roof. Its ornate interior features on three decorative "pepper pot" domes will be restored.

Architects Jacques, Mulr & Johnson have planned the performances of the hit musical "Les Misérables", now showing at the theatre.

The theatre was originally built for the D'Oyly Carte opera company in 1888 to 1891 with seating for 1,450.

Divis demolition approved

MINISTERIAL approval has been given for the demolition of the low-rise blocks of the Divis Flats complex in West Belfast, which was recommended by the Northern Ireland Housing Executive.

Another success on USM

JEREMY Mackay-Lewis was able to pocket a tidy £1.5 million last week after the flotation of part of Whinney Mackay-Lewis on the Unlisted Securities Market.

The first raised a total of £2.6 million, of which £160,000 will be pocketed by another partner, Chris Cutton, while £760,000, after the expenses of the flotation have been deducted, will be injected into the business.

The shares opened at 175p to show a 15p premium on the issue price of 160p. As BD went to press, the share price had dropped slightly to 172p.

About 180,000 shares have been given to 60 members of staff in varying amounts according to length of service and seniority. On average this gift works out as being worth around £4,800 a piece.

Whinney Mackay-Lewis intend to use the money raised to buy new computer equipment, extend their premises, and possibly acquire an interior design firm.



Mackay-Lewis — happy.

Debate on RIBA job

RIBA presidential contender Ray Andrews has accepted a challenge from his opponent Rod Hackney to a debate.

Hackney called for a press debate, but Andrews wants it to be public so that members can ask questions.

He also wants David Rock to be with Hackney on the platform as they are running on a joint ticket — he would be partnered by Fred Roche.

Andrews suggests that the Jarvis Hall at the RIBA should be the venue and that November 11 and 13 are available dates.

Mackintosh lecturers protest

GLASGOW SCHOOL IN BUILDING DISPUTE

THE Scottish Education Department and the Mackintosh School in Glasgow are set to clash over plans for a new building to house the art department.

The majority of architecture lecturers at the school have signed a letter expressing concern to the director and asking for more information.

They are worried about the quality of the proposed building.

By John Wood

ing, but the school's options may be restricted by budget restrictions from the education department.

Originally there were plans for a competition to find a design for the building but these have been shelved because of cash restrictions.

Instead, the Glasgow Institute of Architects has supplied the school with a shortlist of three, with three other nominations from elsewhere. It has now been reduced to two.

The need for the new building

has been accepted for several years, but the first time lecturers heard of firm plans was by chance last month, during a conversation in the street.

A member of staff said they were looking for a building of the highest possible standard to match the quality of the Mackintosh School.

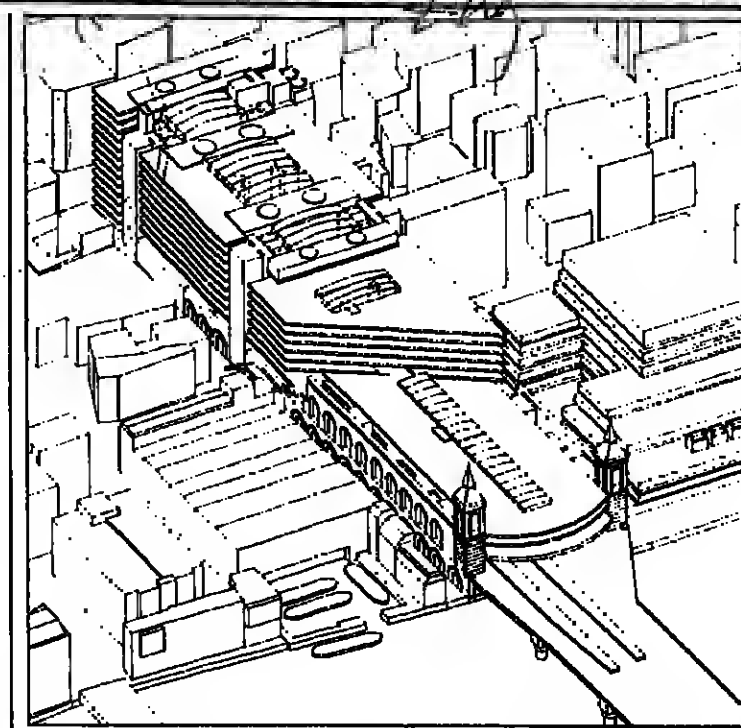
They are worried that restrictions on time and money could result in a smaller and sub-standard building.

There are also rumours that the budget for the new building has been slashed because another building under construction for the education department is grossly over budget.

The lecturers hope the Government's commitment to design may help persuade the department to reinstate the original budget.

They also point out that Glasgow has just been named as the European City of Culture for 1990 and a fine addition to the Mackintosh would be a timely boost to the city's prestige.

Mackintosh director Thomas Pannell has responded to the lecturers' letter with an open memo to staff on the plans, pledging that the school's board will resist pressure from the education department.



Pictured: Building Design Partnership's competition-winning proposal to develop the air rights over 10 acres of land in the City of London. If built to its fullest extent, it will consist of stepped blocks that diminish in height and bulk towards the river frontage where a three-storey bay links the existing towers. Linked atriums run through the scheme, parallel with the tracks that will still operate below.

Air terminal set for residential scheme

BERKELEY House, the residential developer, wants to convert the 49,500sq m West London Air Terminal in Kensington on Old Brompton Road into a luxury residential complex.

Berkeley House has had its offer accepted by British Airways and has put in a planning application to Kensington & Chelsea for permission to convert the 1960s colossus, which was originally designed by Sir John Burnet Tait & Partners.

The initial reaction to a residential conversion was positive," said Berkeley spokesman Neil Squires, who heads the developer's planning department.

"We are investigating the complex structural aspects of converting the building and how to go about rehousing it."

Berkeley wants to create 423 flats in the block, ranging in size from studio units to three-bed apartments.

The developer is using in-house architects at the moment to prepare its scheme.

Another winner

JAMES Stirling, Michael Wilford & Associates have won the limited competition for a new gallery at the Villa Favorita on Lake Lugano.

It will contain Baron Thyssen's unique collection of 19th and 20th century art, part of which was exhibited recently at the Royal Academy. The 2,300sq m three-storey gallery, entrance, reception, workshops and store will connect with the existing Old Masters Gallery.

Stirling won the commission against Atelier 5, Mario Botta, Hens Hollein and Ruch & Huesler.

Lloyd's view

THE Lloyd's visitors' room, giving unimpeded views of 12 floors in the Richard Rogers' building interior, will open to the public on November 3.

The room is reached via an external glass climber lift which takes the visitor through an audio-visual history of Lloyd's.

Shape of offices to come

COMPANY "villages" will be the office buildings of the future according to a report by architects Scott, Brownrigg & Turner, and PE Consulting Services.

The 4,000 word report, *Workplace 2000*, says the UK lags well

behind other countries in providing up-to-date office accommodation.

Central London offices developed between 1948 and 1963 were designed and built to standards that now seem almost "neo-

litic", claims the report.

The corporate village would feature shopping centres, banks, restaurants with subsidised food, gyms and keep-fit units, relaxation areas and car parking.

The report says that since new offices will be designed for efficiency and equipped with labour-saving technology, many companies could reduce their support staff by 50 per cent without a noticeable drop in efficiency.

New head for Hull school

THE new head of the Hull school is Dr Tom Woolley of the Strathelyde school, who will start on January 1, replacing Vernon Gracie who has resigned to devote more time to his private practice.

Aalto's opera house



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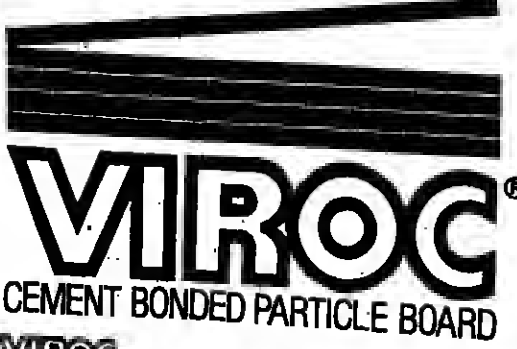
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There's a certain logic somewhere . . .

WHEN is a building not a building? When it is a structure — or so the DoE for Northern Ireland would have you believe. In scenes reminiscent of the best of Rumpole of the Bailey, the department put forward this unusual proposition during a planning appeal this week — and the whole court fell about laughing.

This piece of semantic wizardry was its interpretation of Article 31 paragraph 7 of the Planning Order (identical to Article 34 paragraph 9 of

England's Town & Country Planning Act). It states that any object or structure fixed to a listed building, or forming part of the land and comprised within the curtilage of a listed building, is part of the listed building.

However, the department's legal experts decided that listed planning consent was not necessary for the demolition of a coach house within the curtilage of a listed building because it is not a structure or object — it was a building.

Final agreement near on EEC recognition

MUTUAL recognition of architectural qualifications within the 11 member states of the EEC could soon become reality.

As BD went to press Arcuc was considering what could prove to be the final draft of the

EEC directive requiring EEC member states to recognise each other's architectural qualifications.

Once adopted, the directive should enable architects to move around the EEC and work in different countries with greater ease through the community.

The Privy Council will produce the necessary legislation once the draft directive has been finalised.

Go-ahead for BDP proposal

BUILDING Design Partnership's £60 million retail complex to replace Whiteleys store in Baywater has been given detailed planning consent.

The scheme will retain the Grade II-listed facade, but the housing and library included in earlier plans have been dropped.



THE FALSE TERN

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Piano's adventurous performance

Ian Latham on Renzo Piano on the new Menil Museum in Houston. Photo: Geoff Beeckman.



Renzo Piano: "Each scheme is a new adventure".

"Is there any chance of your both working together again?" The question was at the back of everyone's minds. "Of course... maybe," Piano replied.

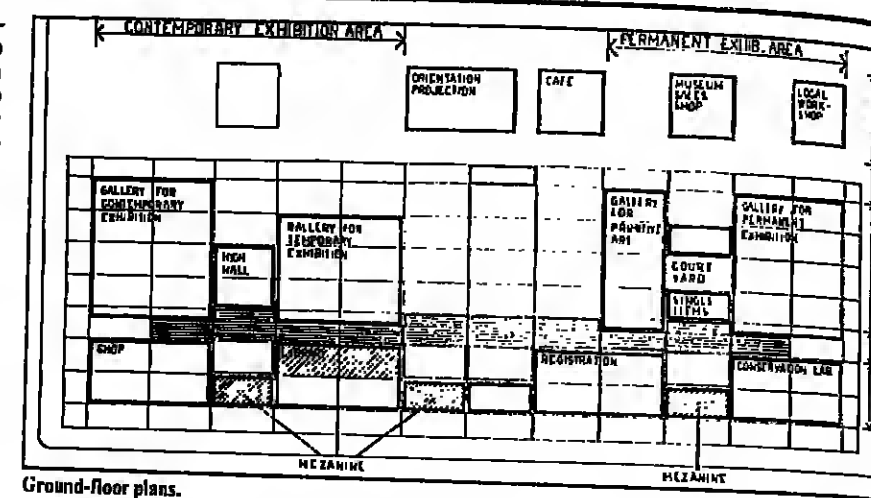
Richard Rogers and Renzo Piano don't often share the same platform, but last Thursday's lecture at the RIBA was a special occasion. Piano was there to introduce his new Menil Museum in Houston and to receive his honorary RIBA fellowship; Rogers was there to introduce his former partner, and the packed audience, spanning at least three generations, was there to pay homage to this most respected of contemporary designers.

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competition after their engineers Arups had bullied them into submitting. For him the seven years of bringing the project to fruition was a remarkable learning curve of both architecture and life, and from Piano he learnt a concern for the pieces and components that make up architecture and give a "real freedom" that goes beyond image, decoration and monumentality.

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Other than the fact that the Menil Museum is an art gallery, the differences with the Pompidou could not be more marked.



Ground-floor plan.

Firstly, the scheme is for a client with a fixed brief and definite ideas about architecture: "I want to make a building that is small outside and big

inside." Menil told Piano. A monumental building was not required—rather a self-effacing scheme with interiors of domestic intimacy and emotion. Changing exhibitions will feature only a small percentage of the collection at any one time and spaces top-lit and single-storey.

The site is in a suburban park surrounded by lightweight timber-framed and clad houses which Piano felt should be respected, and reflected, in the form of his building. And whereas Pompidou was conceived as an inspired idea for a competition, Menil is the result of exhaustive study and research entailing the construction of full-size mock-ups, and its success lies in developing a sense of understanding with the client.

For Piano, the project has grown with his appreciation that architecture is about air, movement, light and sound, and not just walls, floors and ceilings.

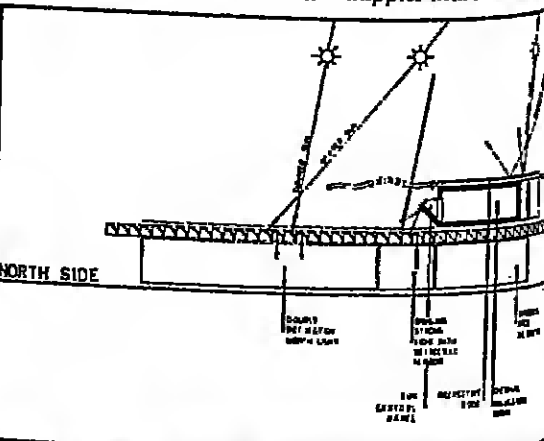
In essence, the Menil consists of a lightweight roof platform set 5 metres above the ground, with a treasure house for storage above. This platform, the most important and distinguishing feature, filters daylight through its unique grid of curved panels that float over the main spaces. The conditions this creates are consciously imperfect and subject to fluctuations in external light levels to give character to the exhibition spaces. Moreover, because works are on

display for a limited, possible to allow 24 levels in the gallery: thus creating better viewing.

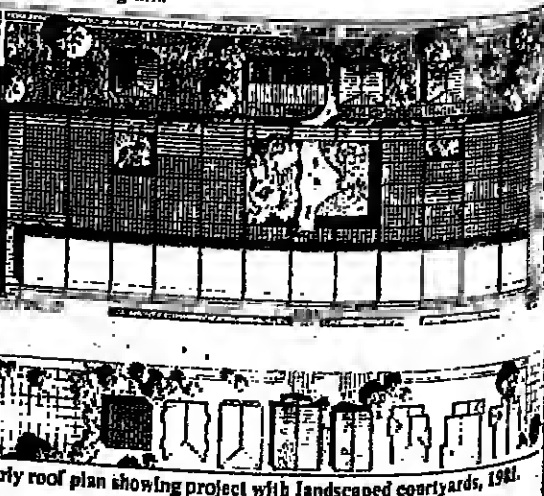
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"How bad you are the person who has opinion of Sidney's gallery. But Piano's retrospective view: "It was an absolute statement of concept of installation, and its bluntness... rockets are not ship, it is hand-made."

Piano is unhappy, however, that the building "style" reference—too many small details about—and a reference, when people the opportunity in enduring monument name. Otherwise, he was happy with the. Presumably he will be happier with the Menil.



Sun control diagram.



Early roof plan showing project with landscaped courtyards, 1981.

TRADE TALK

FORWARD INTO '87

Following the marketing successes of 1986 here at Armitage Shanks we're delighted to bring you this preview of our plans to make 1987 an even better year for us all. Of course, the main news at the moment is the opening of our massive new storage and

distribution complex which brings our ordering and delivery service bang up to date using the latest sophisticated microchip technology.

What's more, our continuous new product development programme has created a new Budget IPS system, further improved our quality brassware range and enabled us to introduce a new SuperSpa warm air spa bubble bath system, which brings unique refinements in safety and comfort to existing technology.

We've also a report on the changing attitudes in bathroom decor which shows the importance of taking a fresh new look at bathroom colours.

All in all, 1987 promises to be an even better year all round, so read what's happening at Armitage Shanks right now and look forward to a brighter, more prosperous New Year with the one you know best.



THE BATHROOM BULLETIN

Not very many years ago the British Bathroom was a cold uninviting room "designed" to be purely functional.

It was no surprise then that its use was kept to a minimum, restricting the average adult's dip in his white enamel bath to once a week!

In more recent years, however, with the advent of central heating, complemented by the introduction of coloured suites by manufacturers, led by Armitage Shanks, the bathroom has become a much more inviting place in which to relax.

Indeed the average Briton now spends up to 25 minutes soaking in the bath as much as four times a week.

Heavy consumer advertising by Armitage Shanks and others has increased consumer awareness of the developments in the bathroom and has obviously contributed to the huge growth in the bathroom refurbishment market.

However, another factor is the boom in home ownership in Great Britain over the past few years. In over 14 million privately owned homes which includes the addition over the past six years of nearly one million council houses which have been privatised.

These factors together have resulted in a bathroom refurbishment and DIY

market accounting for over eight billion pounds worth of expenditure in 1985. The major British bathroom manufacturers have not been slow to recognise the potential of this enormous market.

By constantly reviewing their product range and by being in the forefront of new suite, designs and colours, together with fashionable accessories and brassware, Armitage Shanks in particular has assured that this consumer demand is being fulfilled.

Another major development in the bathroom market has been the increase in separate bathrooms, or suite bathrooms and shower rooms.

Showers in particular are currently the fastest growing sector of this market with over one million installed in 1985 out-selling baths by nearly 20%.

The total shower market alone is now put at over one hundred million pounds. However, the potential for the bathroom market has never been so good with a large percentage of home owners yet to upgrade their bathroom.

Together with the continued introduction of new products and colours and their heavy promotion to the consumer by Armitage Shanks and other British manufacturers, the outlook for the British bathroom market looks bright.

RENOVATIONS BY TENURE GREAT BRITAIN

	Local Authorities 000s dwellings	Housing Associations 000s dwellings	Owner Occupiers 000s dwellings	Private Landlords 000s dwellings	Total 000s dwellings
1979	111	20	69	13	213
1980	100	18	80	15	213
1981	79	14	76	15	184
1982	108	21	122	23	274
1983	126	18	279	40	463

Source: Department of Environment

FREQUENCY OF TAKING A BATH

Base: 1,520 adults	SEX		AGE GROUP		
	Males %	Females %	15-34 %	35-54 %	55-65+ %
Daily	15	27	25	23	16
Every other day	30	33	35	28	30
Once or twice a week	34	26	23	31	37
Less than weekly	4	4	4	6	3
Never (only shower)	15	9	13	11	12
Average baths per week	3.28	3.97	3.95	3.56	3.30

Source: Audience Selection/Cussons Pearl

TECHNOLOGICAL MASTERPIECE UNVEILED!

This month Armitage Shanks unveiled a new £6.5 million warehouse complex at their headquarters at Armitage, Staffordshire; one of the most innovative and technologically advanced storage and distribution centres in the World today.

The warehouse, officially opened on October 1st 1986 by Sir John Milne, Chairman of Blue Circle Industries, represents the latest in automated handling systems with a computer controlling the receiving, storage, retrieval and delivery for a vast range of products. It will handle up to 300,000 items of sanitaryware in 5000 different product variations; plus 22,000 baths, 50,000 taps or brassware components and thousands of other items such as basins, bidets, shower trays and accessories.

To get an idea of the sheer scale involved, the warehouse covers 11,500 square metres with seven computerised cranes, travelling between the 28 aisles of storage racks. These product storage areas are located in four 15 metre high bays, and on the ground floor in the loading areas there are no less than 19 bays for delivery vehicles.

All of this equipment is controlled centrally by the computer system, but three cranes are manually controlled, serving three aisles for individual product selection of short run items.

The new warehouse means that Armitage Shanks has the capacity to deliver thousands of products to hundreds of their customers

every week. To back up this extensive distributive capacity, the computerised system has been designed to generate all the paperwork needed. Stock levels are monitored and controlled, orders assimilated, invoices produced, and debts recorded on a sales ledger. All the paperwork necessary to accompany each delivery is automatically issued as the order is loaded for transport.

The distribution complex represents the culmination of a £30 million development programme spread over five years. The programme began with the building of a new sliphouse and extended into battery casting—an Armitage Shanks patented process. Next on the agenda was the introduction of automatic electrostatic glaze-spraying, computerised handling of work in progress and the construction of energy efficient kilns. Now automatic product storage

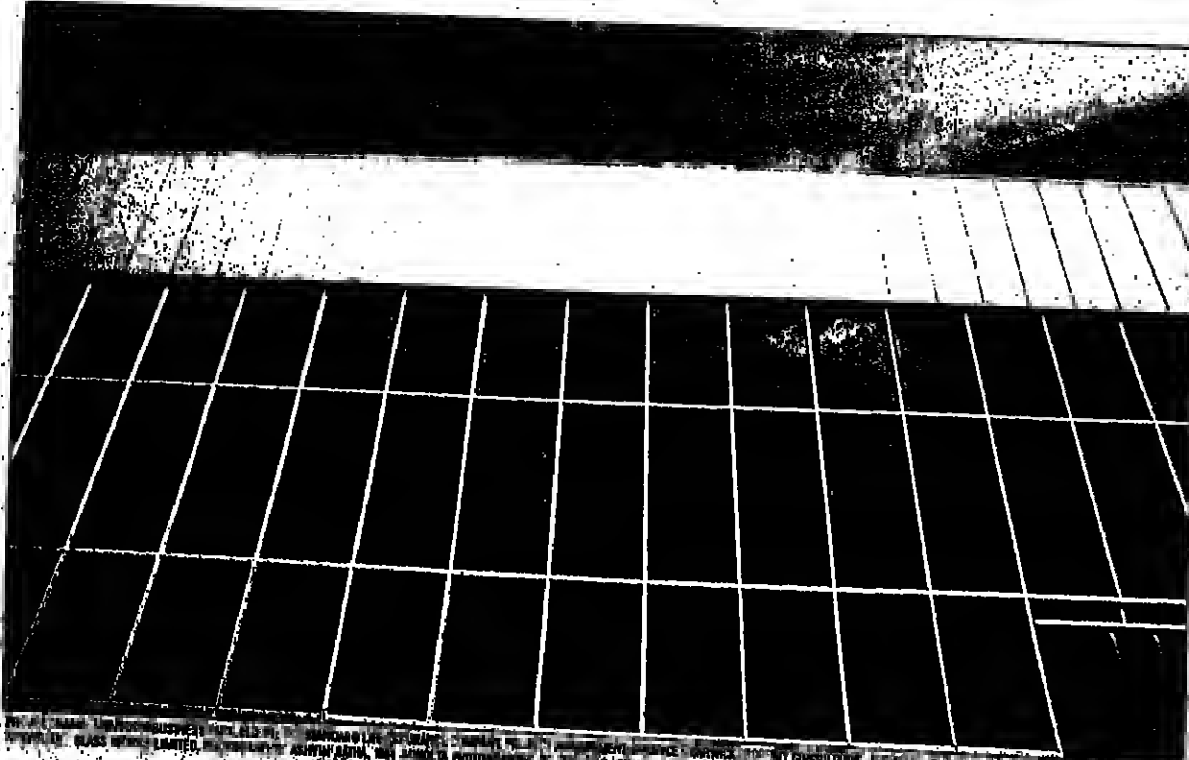
and distribution capabilities set the seal on Armitage Shanks' reputation as the most advanced company in the industry.

Armitage Shanks is owned by Blue Circle Industries and their Chairman, Sir John Milne commented; "It was a pleasure for me to be invited to dedicate this new warehouse complex officially open. This ceremony is particularly significant as it marks the completion of a major investment programme, which we believe puts Armitage Shanks in the forefront of the sanitaryware and bathroom products industry."

It brings together all that Armitage Shanks have achieved in improving production, quality and increasing efficiency for the benefit of the customer, and will help to streamline the whole distribution process. It is also a symbol of Armitage Shanks' dedication to the customer and their determination to stay ahead of the field," he concluded.



SCIENCE OR BUSINESS PARK CALL IN KAWNEER



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Kawneer



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WORLD LEADERS IN ALUMINIUM SYSTEMS

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Piano's adventurous performance

Ian Latham on Renzo Piano on the new Menil Museum in Houston. Photo: Geoff Beeckman.



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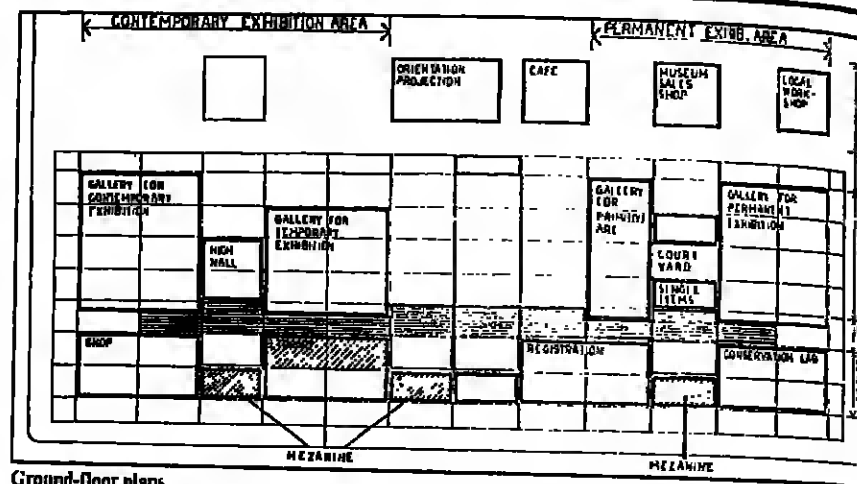
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Proposals on listed churches disappoint

PROPOSALS for minor changes to the freedom of working churches from listed building controls have disappointed the Historic Buildings & Monuments Commission.

Government amendments to the Housing and Planning Bill in the House of Lords will require denominations other than the Church of England to obtain listed building consent before changes are made to their working churches.

But the Church of England — which owns the vast majority of the 16,000 listed church buildings in England and Wales — will retain ecclesiastical exemption.

Instead, the environment secretary will be able to call a non-statutory local public inquiry into proposals to alter its churches, and if necessary recommend that the church is vested in the Redundant Churches Fund.

A spokesman for English Heritage said: "The proposals are a limited step in the right direction, but certainly do not go as far as we would like. We always wanted to end ecclesiastical exemption."

Student poser

LIMEHOUSE Basin in east London has been chosen as one of four workshop projects at the student section of the UIA conference in Brighton next year.

Workshop organiser John Turner said Limehouse has been chosen because "it presents an actual situation where there is a real need for alternatives to be worked out".

Conference boost for the minorities

A MAJOR reshuffle in the programme of the "Building Communities" conference has given minority groups a much greater role.

On Wednesday evening an event called "Work in the Community" will include contributions from Broadwater Farm residents and Bristol Women's Work.

The Thursday session, which opens with a keynote address by Prince Charles, will include representatives from the National Council for Voluntary Organisations and the Anti-Racist Consortium.

The Association of Community Technical Aid Centres (ACTAC) will be represented by two speakers from community projects.

Two establishment figures

Tokyo office space now world's most expensive

TOKYO is now the world's most expensive office location, the first time it has outstripped the City of London or mid-town Manhattan.

A survey by property consultants Weatherall Green & Smith puts rents, rates and service charges in the Marunouchi district at £76 per sq ft, compared

with £63.25 for the City, and £52.85 for New York.

The jump in Tokyo costs is explained by currency factors and a 10 per cent increase in real terms.

Meanwhile, costs in London's West End have jumped 15 per cent in 12 months to reach £47 per sq ft, says Weatherall's.

Details of sponsored tickets from CIAS, 5 Dryden St, Covent Garden, London WC2E 9NW. Tel: 01-240 2430.

News

Hull unveils major initiative to rebuild its housing stock

HULL City Council has unveiled a five-year housing initiative costing £34.3 million.

It will involve building 2,500 houses and refurbishing more than 18,000 council-owned properties.

Although the plan starts in 1988, pilot schemes are under way and the council is gearing up its architecture department. The city's chief architect, Ian Colquhoun, said that around 50 architectural staff would be recruited, including architects, surveyors, engineers and other consultants.

The most ambitious part of the scheme involves the reclamation of 60ha of derelict land in Victoria Dock, costing £12 million just to create the right ground conditions.

Up to 1,500 homes could be built in this area, with another 770 in the Drypool district next to the site of the RIBA's dormant Cudat.

Pilot schemes under way include refurbishment work which will allow the council to assess the effectiveness of repairs over two winters before the full scheme starts.

The plan involves replacing 975 prefabs and 380 prefabricated reinforced concrete dwellings, mainly with council bungalows.

Six hundred pre-war homes a year will be modernised and 1,000 a year will be re-wired.

It aims to provide 500 new homes a year, but this depends on the reclamation of the dockland.

By John Wood

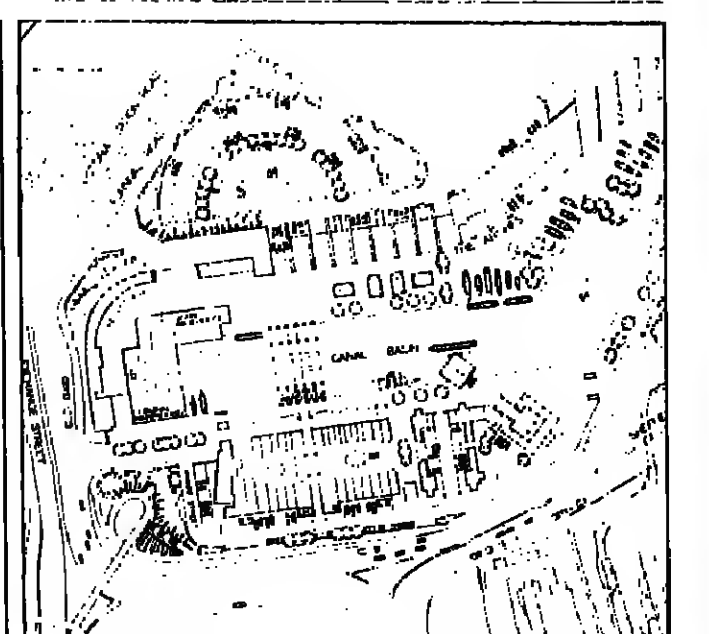
Associated with the initiative will be a training scheme to help provide the skilled craftsmen required.

Together with the Manpower Services Commission, Con-

struction Industry Training Board and Hull College of Further Education, the council plans to provide a two-year course for YT trainees, emphasising on-the-job training on the Drypool site.

The scheme may require the extension of the council's statutory powers to allow large-scale regeneration schemes to be implemented at municipal level.

Housing committee chairman John Black believes the scheme would be supported by any government.

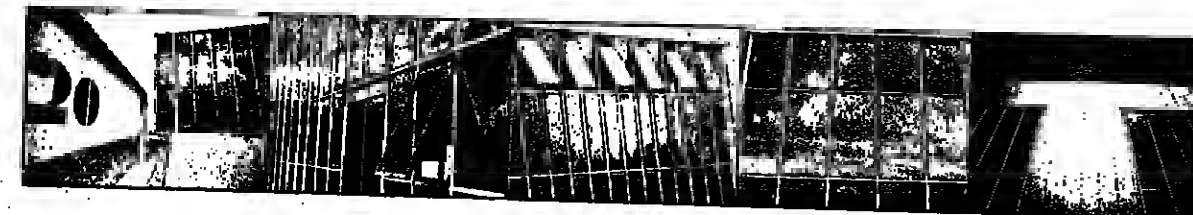


Canalside revival plan

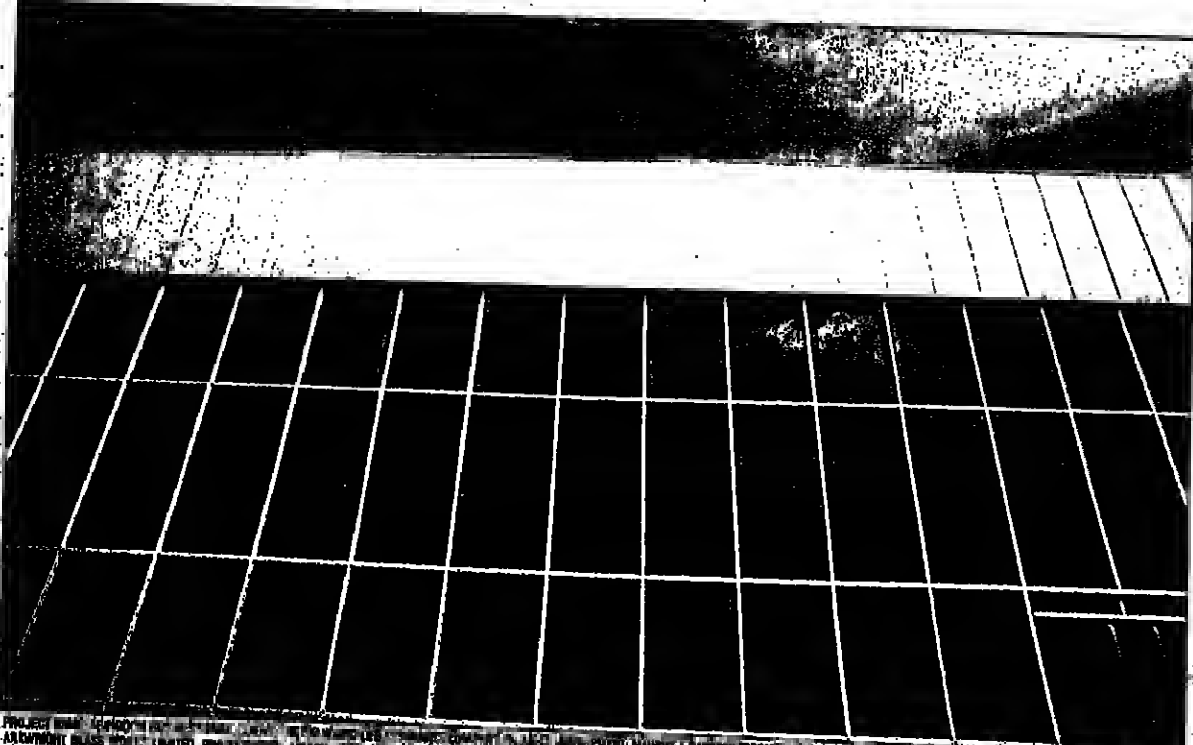
THE £10 million first phase of a scheme to transform Sheffield's Canal Basin was unveiled this week.

The proposals, by Tudorfield Parkwell Davidson & Partners, are based around three listed warehouses which will be used to house a pub, restaurant, wine bar and other leisure facilities.

The first phase will also provide office and housing units.



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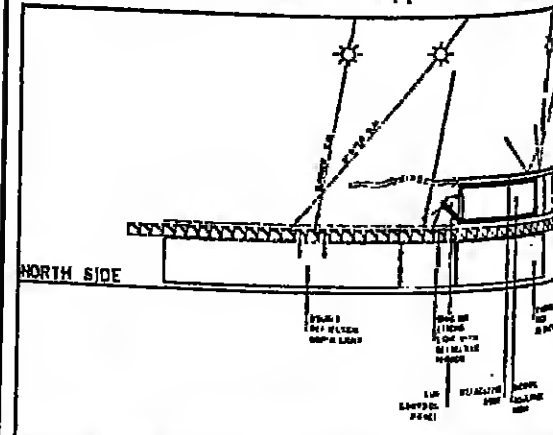
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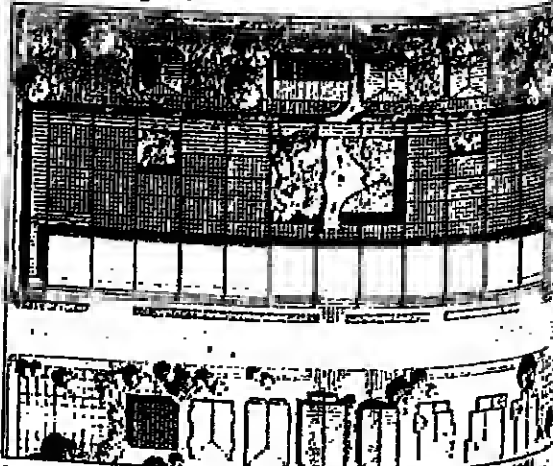
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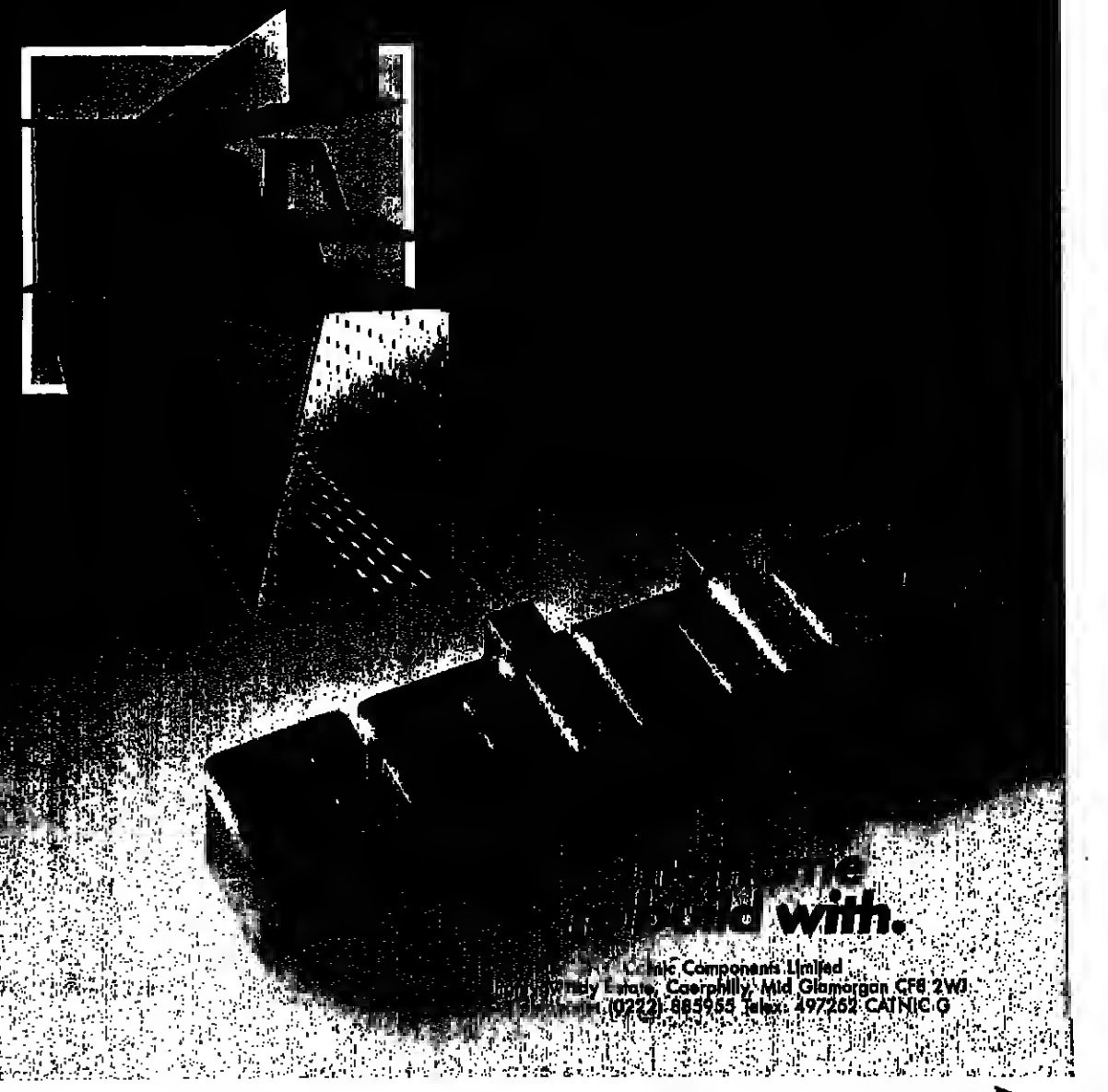


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News

California safety action

CALIFORNIA has become the first state to adopt minimum standards to protect office workers from the pollution effects of stagnant air, chemical fumes, and other health hazards in office buildings.

The new California Occupational Safety & Health Administration rules mean that owners of office buildings or other workplaces must keep ventilation systems in operation during all working hours and that ventilation equipment be operated and maintained in local community building standards.

Cal - OSHA issued warnings in building owners that "the office building danger to employees comes from the build-up of low-levels of such harmful substances as formaldehyde from insulation and furniture, radon from building materials and asbestos fibres from tiles.



THE 17th century Swarkestone Pavilion in South Derbyshire has been restored at a cost of £120,000 with Rodney Melville & Associates as architects. The work included constructing new lead roofs, and the installation of an oak staircase and modern kitchen and bedroom facilities. The pavilion is now being let as a holiday flat by the Landmark Trust.

Conservation could turn Britain into a museum — Ridley

CONSERVATIONISTS who would turn Britain into a "museum of preserved old buildings" have been criticised by the environmental secretary, Nicholas Ridley.

Speaking at the Royal Society of Arts conference on "The future of the built environment", he said conservation of our architectural heritage should allow for change as well as preservation.

He urged people to show their confidence in new architecture and said: "Imaginative new

buildings can live perfectly happily alongside older buildings — provided they are well designed and follow fundamental architectural principles of scale and the proper arrangement of materials and spaces.

By John Wood

and show respect for their neighbours."

Some old buildings had suffered through inappropriate or clumsy treatment, he said, entailing for training in traditional skills to help in their preservation.

He cited two Property Services Agency projects, the rehabilitation of Fort George and the Theatre Museum in Covent Garden, as good examples of preservation.

Ridley also revealed the Agency to review the building owners in see if some could be included in the review.

All its buildings, however, galleries and museums by government offices, would be included in the review.

There is no intrinsic reason why buildings and parks should be in the public sector, he said.

There is no need to over-grounds — many of the buildings in Britain are owned by the private sector.

It should be owned, continually to test whether publicly owned buildings are not he said to the private — and vice versa.

Spitalfields group wins consolation

LONDON borough of Waltham Forest has granted the Spitalfields Development Group (SDG) planning consent for its new fruit and vegetable market (SD September 19) at Temple Mills, Hackney Marshes.

The consent is a small consolation prize for SDG, which was told last week by the City Corporation in wait in line with everybody else to redevelop Spitalfields market.

Elson Puck & Roberts (EPR) have designed SDG's 31,400sq m market building which features three internal roadways — sufficient, says EPR, to serve 100 traders.

SDG claims the market traders "want to move to Temple Mills", but at last week's City Corporation meeting announcing its rejection of the SDG bid, Charles Lodmore, superintendent of Spitalfields market, made it clear that traders had not agreed to a move to Temple

Mills. SDG maintains that the large discrepancy between the office content of its scheme and that required by Town and Country Planning Act 1990 is "a genuine optimum between the differences between the two schemes."

Roschaugh Stanhope, SDG's main competitor for the site, is in the process of finishing touches to its plans for a new market building, on land owned by British Gas, British Rail and the Stratford market traders who would share the site of the Spitalfields traders.

Roschaugh Stanhope is in control of 2.5ha of the site off Burford Road. Its scheme, designed by Fletcher Ross, should go before the planners in a couple of weeks.

White on the blacklist

THERE is no place in the picture postcard village of Great Tew, Oxfordshire, for modern white paint.

So says English Heritage, which has carried out a study of the colours used historically in the Tew. The study is to help West Oxfordshire District Council work out an external painting colour code to protect the local character.

The council has applied to the DoE for stricter control over

minor developments in black Great Tew which, if granted, will make planning permission necessary for garages, gates, outbuildings, access ways, and Councilors also want to make code to control colour schemes on the exterior of properties.

English Heritage recommends three colours — timber brown or broken fawn for the joinery and masonry for ironwork. After much research, the council said white should not be allowed.

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News

Industry starved of building graduates

UNIVERSITIES and polytechnics are supplying only half the graduates the building industry needs to train as managers, say the Building Employers Confederation and the Chartered Institute of Building.

Their report says that over the last two years the number of building degree courses has fallen from 22 to 19, and that all the losses have been in universities.

Sir James Lighthill, chairman of the CIOB and BEC's joint committee on higher education said: "The higher education system must recognise the requirement for a massive increase of places on degree courses."

He called for a concerted effort to expand student demand for places on building degree courses, and urged the building industry to accept the responsibility of stimulating this demand.

The report sets out a strategy to double the number of graduates to between 750 and 800. It suggests the following measures:

- the establishment of an organisation for the promotion of building management as a career, to be funded by one of the industry's existing statutory bodies;
- the development of a structured training programme in line with provisions of the Building Industry Technical Training Scheme;
- an increase in industrial sponsorship;
- the expansion of existing courses and the development of new ones;
- the BEC and CIOB should exert strong pressure on the Government, the University Grants Commission, the NAB and their equivalent bodies throughout Britain, and the institutions of higher education to achieve this increase in places;
- the recognition of a wider range of entry qualifications for those applying for the building courses.

Lighthill said: "The building industry must strongly resist a reduction in the output of building graduates."

Councils to fight new town clause

THE privatisation of new town housing stock could result from a clause introduced to the Housing & Planning Bill during its passage through the House of Lords.

Previous legislation had always allowed local councils to take over housing stock when new town development corporations were wound up.

But an amendment will enable the environment secretary "to dispose of housing to any person" which could mean housing associations, trusts or even private developers.

The change could affect 60,000 homes and the affected councils have pledged that they will fight to have the amendment overturned.

Planners throw out 'bulk' at Bankside

SOUTHWARK planners have rejected a high-rise scheme designed by Renton Howard Wood Levin for Stockley's Bankside site near Southwark Bridge.

The scheme has also been attacked by the Royal Fine Art Commission which "continues to be greatly concerned about the bulk of the scheme."

Although the square footage of the RHWL design conforms to the existing planning consent on the Thames-side site, the height of the scheme on the river bank has been almost doubled from 28.5m to 55m.

The increase in office storey height will give rise to considerable increase in volume, which

By Lee Mellett

together with the particular plan configuration, will result in a bulk which is unacceptably large", said the RFAC in its official objection to Stockley's planning application.

"The commission believes that a satisfactory scheme will only be possible if a substantial reduction of this bulk can be made."

Stockley's chief executive, Michael Broke, told *Building Design* that the company, of which Stuart Lipton is a director, will appeal against Southwark's refusal. "We've always known we would get a refusal", said Broke.

Stockley bought the site from European Ferries last year with the benefit of a planning consent for a mixed scheme including 19,500sq m of offices and 8,832sq m of housing.

Neither element of the scheme exceeds seven storeys in height, the previous owners of the site (before European Ferries) Laing Properties, had won detailed consent on this basis after a successful appeal in 1976.

Laing, in order to prevent their consent from expiring, built the foundations and ground-floor slab of their scheme.

"We would have done the simple thing and built the existing scheme," said Michael Broke, "but we considered it outdated."

Asked whether Stockley would modify their scheme to meet the criticisms of the RFAC, Broke said, "I think we'll stick with what we've got."

Stockley's new scheme includes



Lustre for Leicester Square

Westminster City Council unveiled a £3.5m facelift for Leicester Square as part of plans to "improve the West End environment".

A surprise addition to the scheme are plans by the London Electricity Board to build an underground electricity substation beneath the square at a cost of more than £6,000,000.

The LEB — which is contributing to the cost of refurbishing the square — says it will mask the substation with a "sculptural feature". But local shopkeepers are worried that major excavation work could disrupt trade.

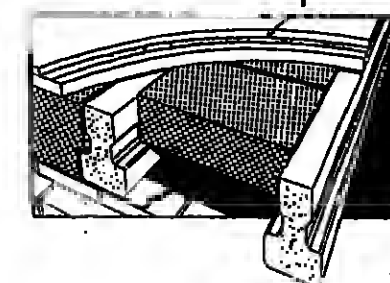
Scheme one, the most expensive option and the most

popular with the council and the consultant architects Tarsen Flora, opens up the square and replaces the existing garden area with paving and planting, interspersed with waterfalls, fountains and pools.

Less ambitious ideas were suggested in schemes two, three and four. Westminster withdrew earlier plans for the square because they were "too lacklustre". Leicester Square's facelift is part of a larger pedestrianisation scheme in Soho which would stretch from the square, through Rupert Street, Brewer Street and Bernik Street market in Oxford Street.



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High hopes for shelter initiatives

MANY delegates hoped the initiatives planned in 1987 to launch the International Year of Shelter for the Homeless — including the International Union of Architects Congress in Brighton next July — would help focus world attention on the desperate need for better basic housing for the people of the Third World.

Sri Lanka, for example, is already planning a major development programme to construct a million new dwellings. And major housing experiments are also already under way in Korea, Hong Kong and the Philippines.

● The UIA Congress takes place on July 13-17 next year. Further details are available from the UIA Congress Secretariat, 72 Fielding Road, Bedford Park, Chiswick, London W4 1DB. Tel: 01-995 8356.

Eastern practices face little work and low fees

In the first of a series of features in the build-up to next July's International Union of Architects (UIA) Congress in Brighton, *Building Design* reports from the Asian Congress of Architects held in Kuala Lumpur last week.

ASIA'S 70,000 architects are at an important crossroads in their development.

At last week's second Asian Congress of Architects (ACA2) delegates from more than a dozen countries gathered to try to identify which direction the profession should take.

American architect Eugene Kohn, of Kohn Pedersen Fox, launched the event with a rip-roaring, all-singing, all-dancing presentation on marketing. This won loud applause from many of the 300 delegates.

Some, however, questioned the need for flashy promotional initiatives, arguing that there was plenty of urgent work to be done by architects, simply to provide basic shelter for the homeless of the continent.

Kohn's presentation on marketing was timely for the "commercial" architects of the region, many of whom are suffering from a major economic depression in the area. Dozens of office buildings in the host city of Kuala Lumpur were empty, bearing testimony to the current lack of demand for

architects' services.

In addition to a lack of work, architects throughout the region complained that clients now wanted reduced fees and demanded much more speculative work. Several had now resorted to suing their clients to get long-outstanding money.

"The situation is, at the least, desperate. In Malaysia many billions of dollars of credit have been extended to clients, some architects are seriously exposed and some clients have been very unprofessional," said Dato Kinton Loo, past president of

the Malaysian Institute of Architects.

The various member institutes represented at the congress had tackled the problem in different ways. Just six weeks ago the Malaysian Institute of Architects, after several years of lobbying, persuaded its government to establish a legal scale of minimum fees.

In return for these fees, Malaysian architects are, however, committed to providing a carefully spelled-out level of service.

In Thailand architects are infiltrating the higher echelons of government to press their case and land more work. One member of the state senate is an architect, and another has just been appointed as the prime minister's senior adviser.

One ray of hope is the People's Republic of China, where Professor Chen Zhenshan said an increasing amount of work was now being put out to private practice.

More than 200 private home-grown firms have now been established in China, and architects from Hong Kong, Singapore, Japan and Australia are all winning major design commissions.

Asian architects 'slaves of the privileged class'

A CLEAR battle is being waged in the East between "commercial" and "community" architecture.

In a recent Pakistan survey slim dwellers placed decent housing as their sixth priority. Land, water, sewerage systems, schooling and roads were all more important.

"Ninety per cent of the population of Asia have no proper shelter. They don't need architects and don't use them. Their basic needs are a much higher priority," said Syed Jaffery, director of the design bureau at the Karachi Development Authority.

"We have turned our backs

on the people, who seem to be slaves of the privileged class. Most architects in Asia are facing in the wrong direction. We must become more responsive to the people."

Commonwealth Association of Architects president E. Wells-Thorne echoed this message: "Architects have a reputation. Far too much work has been for a small elite and we are totally out of touch with the needs of people."

"The profession must create social awareness and must identify itself in a new way. It is not just a token way. If we don't, its status will continue to sink. It will deserve to sink."



The world's largest robot — a 20-storey headquarters building for the Bank of Asia in Bangkok — was described graphically to the Asian Congress of Architects by its extrovert designer, Dr Sumet Jumsat. Providing 23,000sqm of prestige office accommodation, Jumsat described his building as "post hi-tech". Spoof caterpillar tracks at the base of the building suggest it can move. The giant nuts and bolts on each arm are 3.6m in diameter and two 6m diameter eyeballs in the bend wink randomly. Between the Jumsat located the main banking hall.

Western style loses its power

ONE of the key questions addressed by the Second Congress of Asian Architects was: what future design direction should the profession be taking?

Impressive presentations made by all the member institutes, and certain broad themes emerged from these.

Most member countries have been colonised by the West, and this has had a distinctive architectural mark.

From an established, neoclassical design style to colonialisation, almost a century has been stamped on the Western architecture of its new governors.

After independence architects had generally rejected the United States or British train, and this had led to an architectural wave, the Movement and high-rise transplanted, thoughtless into a totally inappropriate setting.

A fourth style is now emerging: modern vernacular. Throughout Asia many fine old buildings have been designed by local architects using traditional building forms as inspiration.

Geoffrey Bawa's suggestions in Sri Lanka, Charles Correa's work in India, and Arata Isozaki's schemes in Japan are all witnesses to this.

Infill

Sites and sounds

Jonathan Glancey



Atlantic trends in Docklands

WHAT is Big Bang? I really do hope there are none of you hiding at the back asking that question, because the deregulation of the City which opens up to all-comers (and over-achievers) on Monday will have an explosive effect on the free of commercial architecture as we know it.

When the banks and City slickers move out to Canary Wharf next year a lot of potential clients will be looking for architects. True, Stirling and Wilford have been offered a prestigious job at Canary Wharf already, but I can't help wondering how many other British architects will follow them there.

This sentiment has got nothing to do with the quality of contemporary British architecture, but my feeling is that more than one or two banks and finance houses will be looking with bright eyes at the work of the big-time American practices who are set to pick up the big commissions.

Stuart Lipton and Arup Associates have come pretty close with Broadgate to the American way of working, but the spectre of American practices chirping cheekily at Canary Wharf in the same cage as Japanese and South-east Asian builders must be beginning to haunt some of you. Anyone who sat through the Kohn Pedersen Fox sales presentation (aka lecture), complete with Dallas-dance wives in the front row at the RIBA last year, will understand what I'm driving at.

And by the way, three American practices, including John Burgee with Philip Johnson, are likely to pick up the major slice of new commercial development at London Bridge City.

Exhibition spectacular

MIND you, Britain's three big name architects — Foster, Rogers and Stirling — are enjoying the world's most extended sales presentation at the Royal Academy, Norman (or James, as *The Times* knows him) has put together the sleekest of these presentations. In darkness one watches the rise and rise of the Hongkong and Shanghai Bank (designed by Stirling according to *The Times*), in hushed awe: the match of Foster and Hong Kong is like "Blade Runner" run through with a mop and disinfectant. But I half expected some suave, sincere, steel-haired American businessman to pop up by the glorious model of the bank, announce his name as something like Hiram Andfirem III and break into a homily about how Soulful Corporation Inc chose only the world's very finest architects to realise its corporate goal.

Otherwise I noted that the prayer tables and candles that were to have been placed in front of the model of the bank were considered too sectarian and were hastily removed before the opening. Blessing the Holy Trinity of British Architecture, visitors grope in the darkness from Foster in Hong Kong but I detected a kind of Ying-Yang, darkness and light, theme in the Stirling section. The sections certainly kept visitors in the dark, but the black and white photographs of Stuttgart were a bit of a wow.

Out of the darkness (do Stirling and Foster know about an as yet unannounced extension to the Clarendon Pavilion at London Zoo?) into the silvery light of the Richard Rogers show. Rogers had chosen to paint the town silver. His wonderful Boys' Own bridge made a startling attempt to blend into the city: apparently if it was ever built London would be deluged by several million gallons of silver paint. But what a stunning piece of exhibition design. Everyone seemed to enjoy the recreation of the Thames inside the RA and many washed their bags and catalogues in it (or did they think it was made of glass?). If you are an architect, however, you are allowed to exorcise the pet goldfish in it.

A wonderful sales pitch for Britain's leading architects and capitalising on it, but I wonder why so much emphasis was put on contextualism, urbanism, fitting into the city and so on? Surely clients of these three architects want to flaunt their talents? Lloyd's and Hong Kong are about as discreet as the Eiffel Tower. Every city can cope with a few glorious architectural outbursts and I don't think that Rogers, Foster and Stirling should worry unduly. You don't exactly get out of the buildings shown in this exhibition overnight.

South Bank Corbusier

WHILE the Academy show is pulling in the crowds in Piccadilly, down on the South Bank, the Arts Council Corbusier exhibition is being launched. The show opens next March as part of the Corb centenary celebrations and reappraisals. One wonders how the public will respond to an exhibition of a man who, if they have heard of him at all, associate him simply with High Rise Horror and so on.

What would be interesting to know is exactly how many buildings in Britain have been directly inspired by Corb's work. Obviously there are recurring motifs in the works of Stirling, for example, but how many buildings are there like the Roehampton housing on the fringe of Richmond Park which actually mimic Corb examples such as United Habitation? Can RD readers provide a list? I would like to see photographs of any examples. These would make an interesting annex to the big Arts Council show.

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Splitting the difference

THE gap between what people say and what they do can be bridged by any number of unsavoury factors, ranging from ignorance to misunderstanding to hypocrisy. (The same gap can exist between what people know, or ought to know, and what they write. No sooner had I mildly criticised the London Standard for its attitude to architecture, than its art critic, Brian Sewell, puts his foot firmly into his mouth in his review of the Royal Academy exhibition. He claimed that the Foster bank tower in Hong Kong overshadowed the other buildings in the area and was out of scale with its surroundings. Either Sewell has never been to Hong Kong or his hatred of modern architecture has distorted his ability to comment objectively.)

Meanwhile a wonderful gap has opened up between Nicholas Ridley, the indomitable environment secretary, and his department. Ridley makes a speech to

a CBI conference praising the virtues of free market development. He warns that the country is in danger of becoming a cut-price museum because of the malign influence of conservationists, and repeat his urgings for more independence to be given to developers and architects. No sooner does he do this than (a) it is announced by his department that a new scheme is to be introduced to make the Church of England think more than once (or not at all) about demolishing listed buildings; and (b) his department reveals plans to bring in planning controls on more buildings in the countryside.

There is no good reason why Mr Ridley should not embody two entirely different attitudes to conservation and design within his one person. After all, the Tory party itself has always been divided by what one might call the "realist" element, which believes that conservation is a con-trick whose worst character-

The Editor's Comment



istic is stopping them from making a quick pile, and the Duncan Sandys/Chie Trust mob which not only believes in conservation as a good in itself, but has strong reservations about the acceptability of the developing classes.

One satisfactory resolution of the apparent contradiction would be for Marsham Street to take a very grim view of meddling in aesthetic matters by planning authorities where new buildings are involved, but to continue to watch over vigorously the interests of our historic heritage. Naturally when these two policies conflict there will be trouble, but that is in the nature of a democratic planning system.

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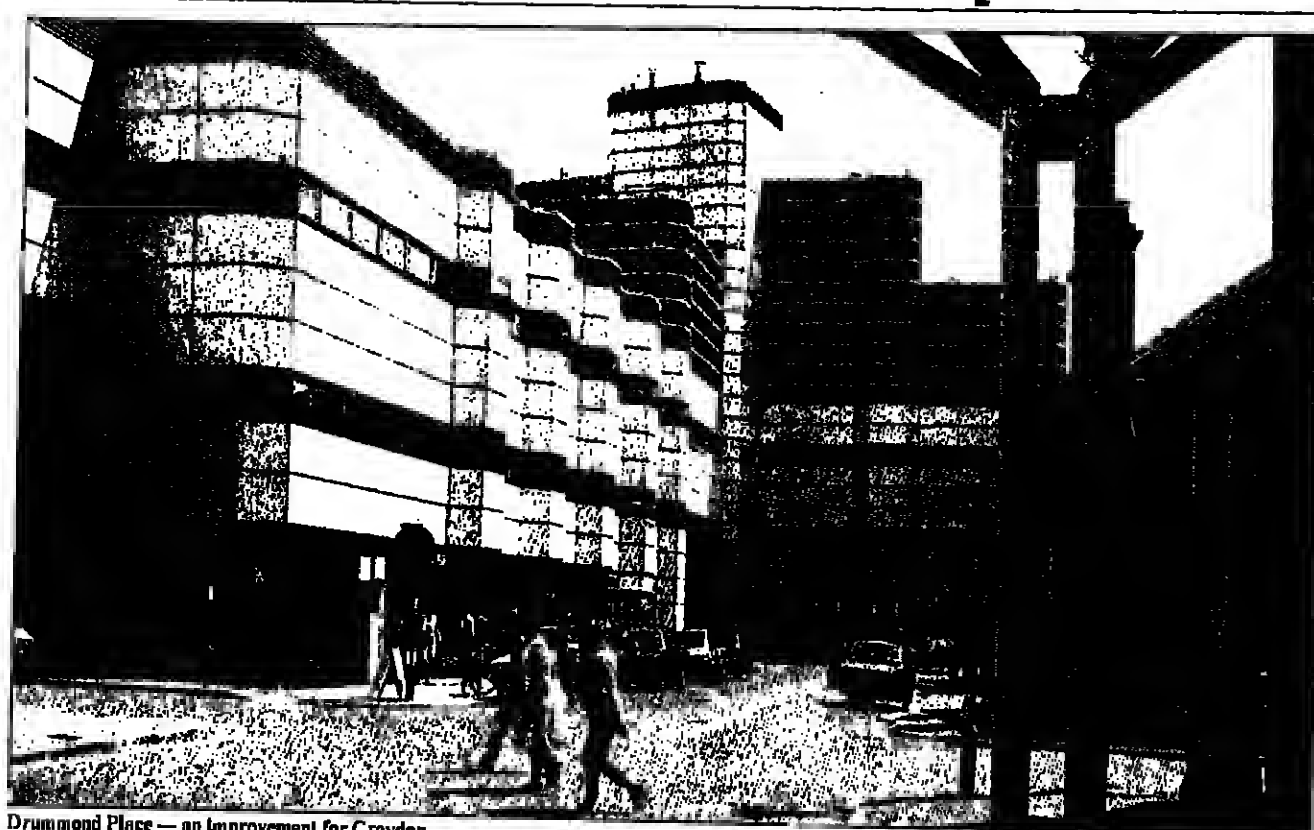
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Drummond Place — an improvement for Croydon.

Croydon addition

CROYDON, it has to be said, isn't among this country's most attractive urban centres.

As a commercial, retail and parking zone it is an unparalleled success, but the marked contrast between daytime and night-time population results in a very specialised inner area that comes alive through the day, peaks between the hours of one and two o'clock, and is dead on Sunday.

Until recently the Whitgift Centre, an early, if rather uninspiring two-level pedestrian shopping development, had everything its own way, but the retail boom has spawned newer projects.

The latest of these, Drummond Place, designed for St Martins Property Corporation by John Clark Associates, has cost £25 million and includes premises for Debenhams, Heals, and Marks & Spencer, as well as space for many other smaller units, which are mostly at ground level.

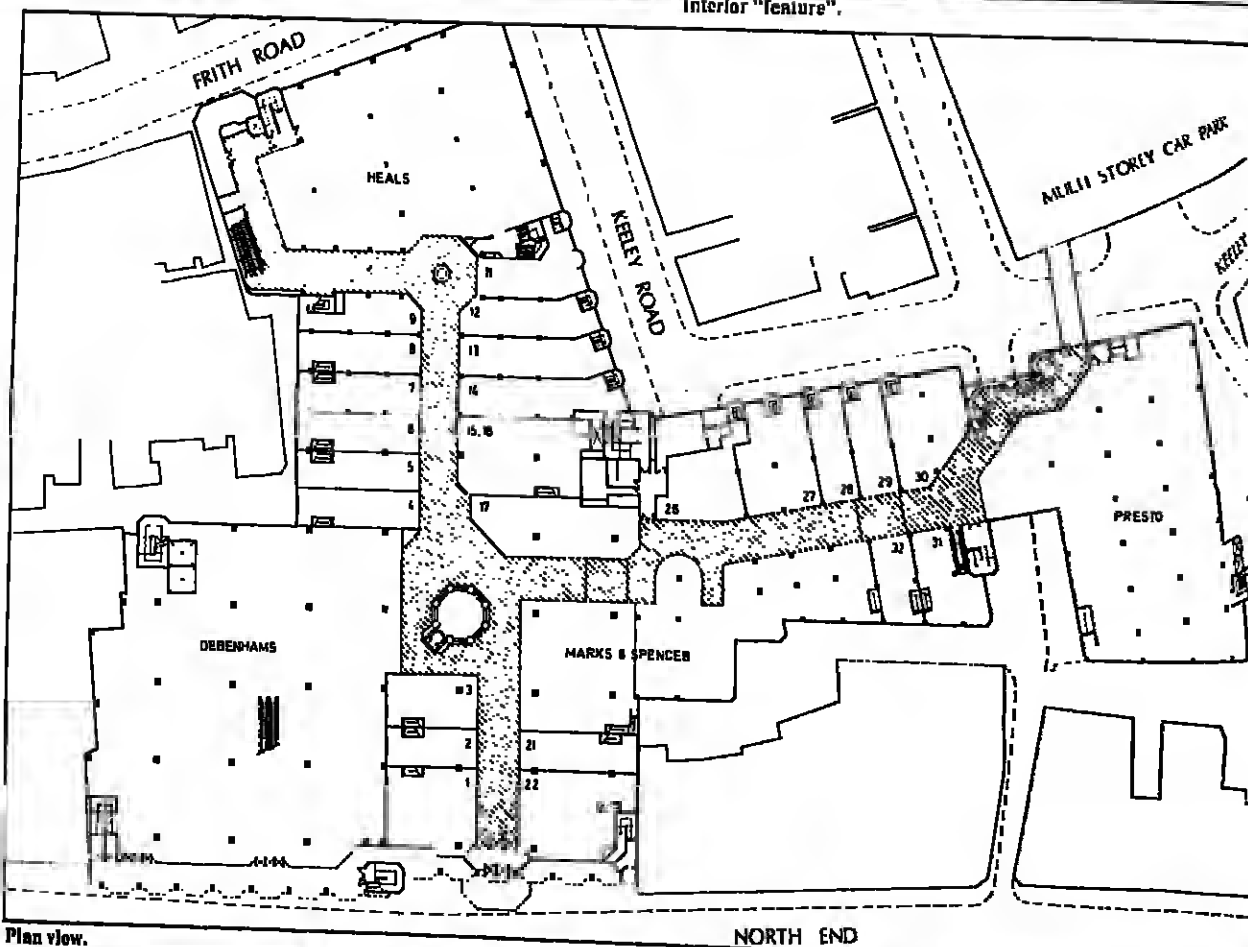
Three interior streets run through the scheme, converging on a gallery atrium faced in

marble with the obligatory "water feature", "scenic glass lift" and the novelty — an hourly laser display (John Clark used to be film art director with credits for "Jesus Christ Superstar", "Performance" and "Tommy").

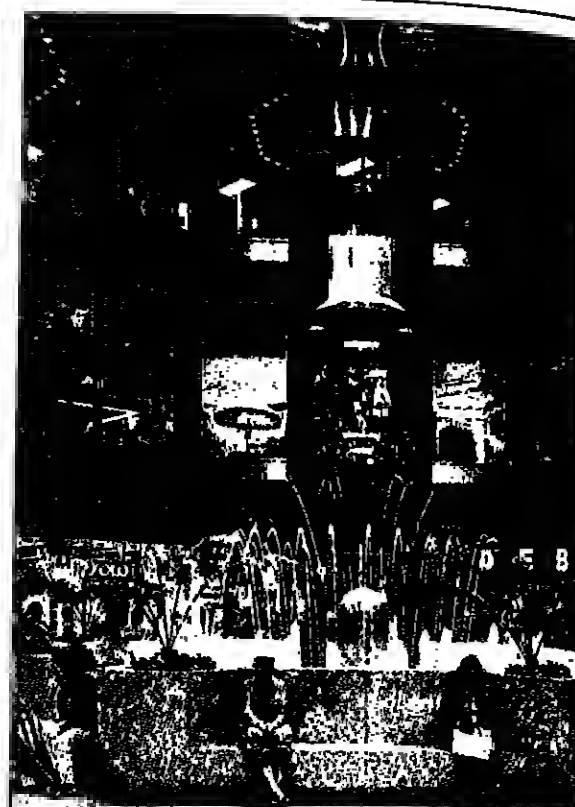
If the interior public spaces of Drummond Place are less generously proportioned than we might expect, the exterior form has an unusual freshness thanks to the well-detailed polyester powder coated aluminium cladding panels and louvers. The context of the project is forbidding, if not menacing, and while we may regret the loss of some of the buildings that formerly occupied the site, this scheme is certainly a good example of this late 20th century building type, and an improvement on most other recent projects in Croydon.

Ian Latham

Architects: John Clark Associates. Mechanical and electrical engineers: Ronald Ward & Associates. Structural engineers: W S Atkins & Partners. Management contractors: Sir Robert McAlpine Project Management Ltd. Quantity surveyors: Wickenham Tower Partnership.



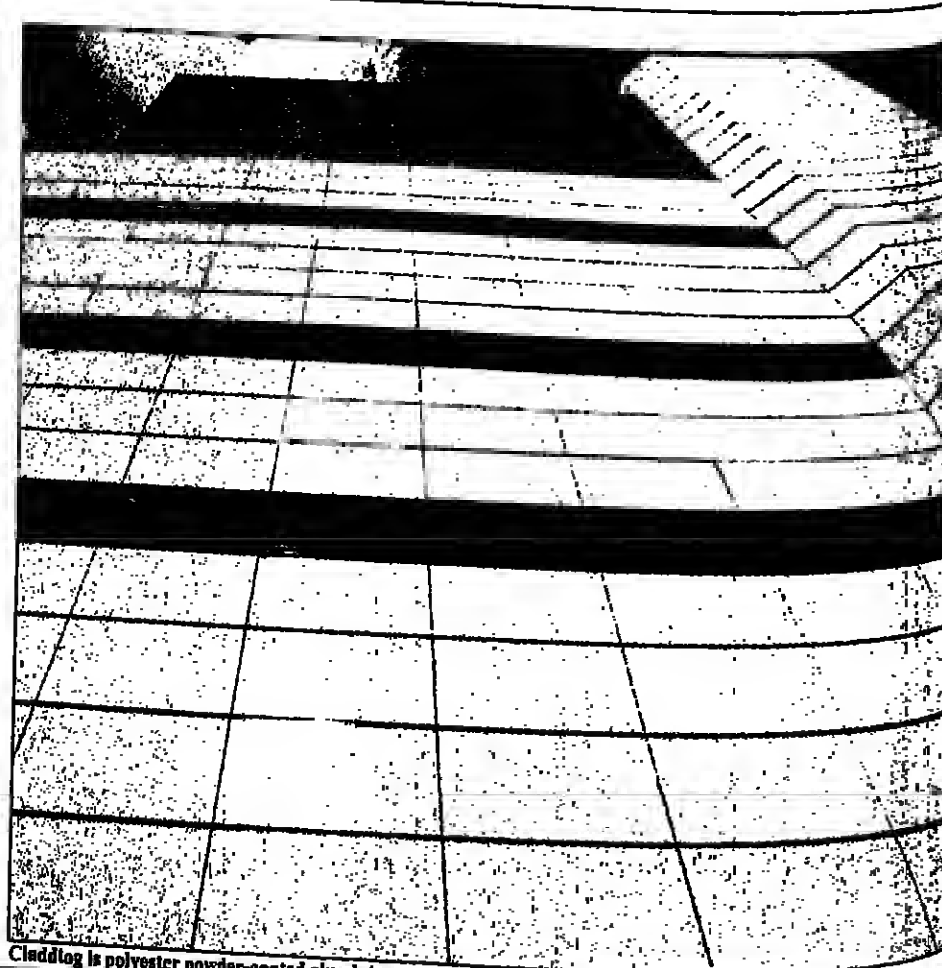
Plan view.



Interior "feature".



Exterior form has an unusual freshness.



Cladding is polyester powder-coated aluminium.

Scorpio



The institute's man plays a hard game

ANYONE who thought Raymond Andrews would be a pushover in the RIBA presidential election stakes has got another think coming. For backed by the power of the establishment, mean-machine politics is taking over.

Take, for example, the recent communication received by overseas members of the institute in the form of a personal letter from Andrews.

This goes on about how anxious he is to see members at the UIA Congress in Brighton next year — as president. The letter then becomes an unashamed plug for the Andrews candidacy.

One irate overseas member, now retired to the Isle of Man, comments: "I feel that this form of election propaganda seeking overseas votes under the guise of sending information regarding the UIA Congress is somewhat unethical."

In fact, candidates are entitled to a list of overseas members — a fact which for some doubtless good reason nobody bothered to tell Rod Hackney about until he belatedly asked. He was then told that getting computer time would delay his list. After further inquiries by Scorpio, I am happy to say an amazing speed-up has occurred and they are on their way.

Bringing in the punters

THE Royal Academy was "really, really pleased" with the first week's "New Architecture" attendance figures. There were fears that Jim, Norm and Roger would only attract a paltry 800 visitors a day, but the Great British Public, it seems, is being won over by our Great British Architects.

Week one had an average of 1,176 visitors a day with a bumper 2,238 turnout on Sunday, when it's cheaper. However, architecture still does not have the crowd-pulling abilities of say, the recent exhibition of German 20th century painting, with 2,288 daily visitors.

But RA staff say a more realistic comparison is with the "New Spirit in Painting" show back in 1981, which left the RA considerably out of pocket.

Surprise winner

STAFFERS at Richard Rogers Partnership, First Architecture and the BBC were all contestants at Britain's first Office Olympics, a novel way of promoting Project's office furniture at this year's Designers Saturday.

Shahab Kassemi from Richard Rogers has a dim recollection of Saturday's sober event, so was surprised to learn some days later that he was indeed the winner of the prize-giving contest, and a clock radio. Apparently the proclaimed winner on the day was discovered to be an employee of Project Furniture and was promptly disqualified.

HRH boycott averted

I SEE all is well with the "Building Communities" conference, although it all could have been so different.

Representatives from minority groups and the voluntary sector — the Federation of Black Housing and Black ACTAC to name but two — were threatening to boycott the conference because they were so heavily outnumbered by the private sector and the professions.

The organisers finally cracked and gave in to their demands for more speakers, after Prince Charles threatened to withdraw his services too, according to community sources.

Scene and heard

GOOCH Ware Travelstead walls with bated breath for the final seal of approval on the Docklands Light Railway, which should spark off (at last) major work on his Canary Wharf scheme.

But who will head the development company? The search is still on, following polite declines of the job from Brian Cann, mastermind of the London Bridge City scheme, and David Davies, the property world's favourite entrepreneur and gossip-column feature.

Why this reluctance to take on the job? Obviously the £350,000 pa salary is insufficient!

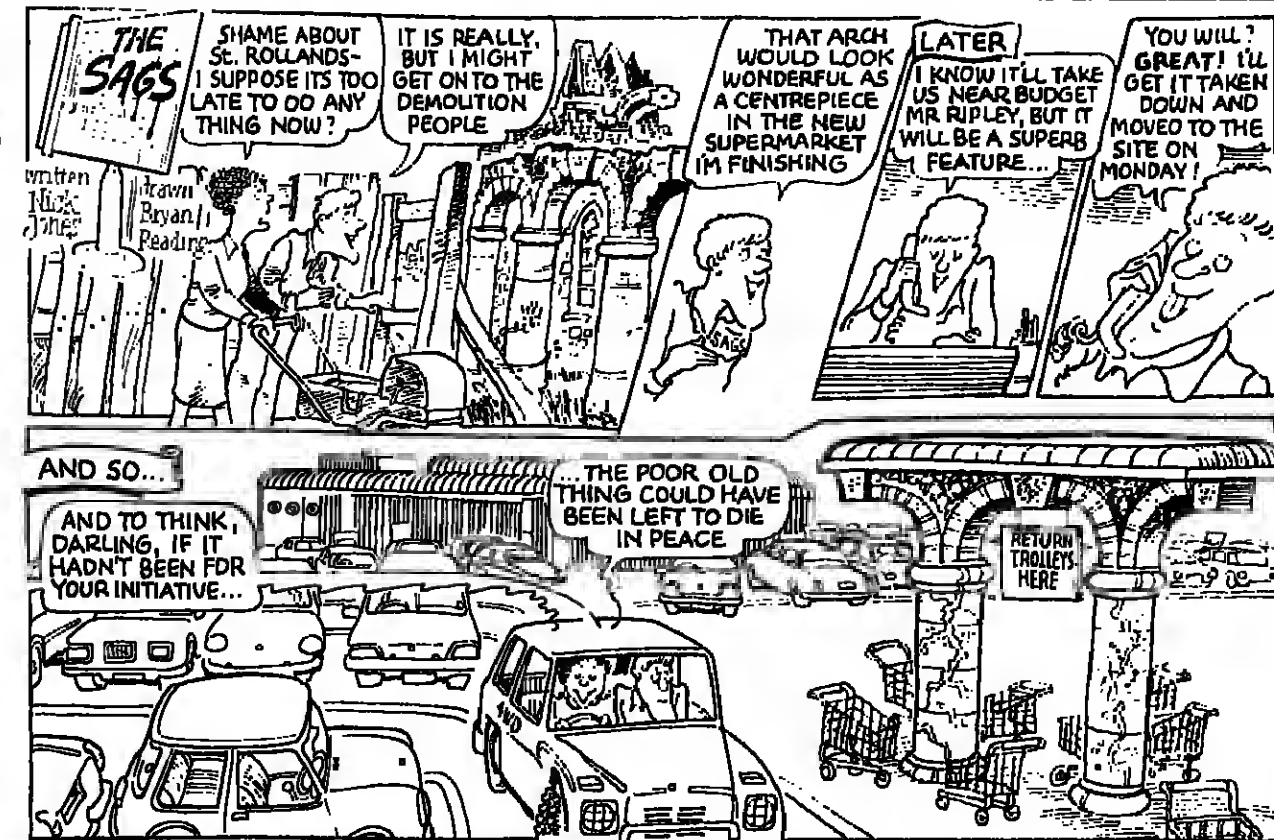
THE critical part of the Canary Wharf jigsaw is still not in place. The Bill to extend the railway to the City is making snail-like progress through Parliament and seems to be stuck somewhere between the House of Lords and the Unopposed Bill Committee. Optimists now say the Bill could get Royal Assent by mid-December.

CONNOISSEURS of Portland Place in-fighting are scanning court news with more than usual interest. None other than Rod Hackney is suing the Institute over non-payment of telephone expenses in connection with community architecture.

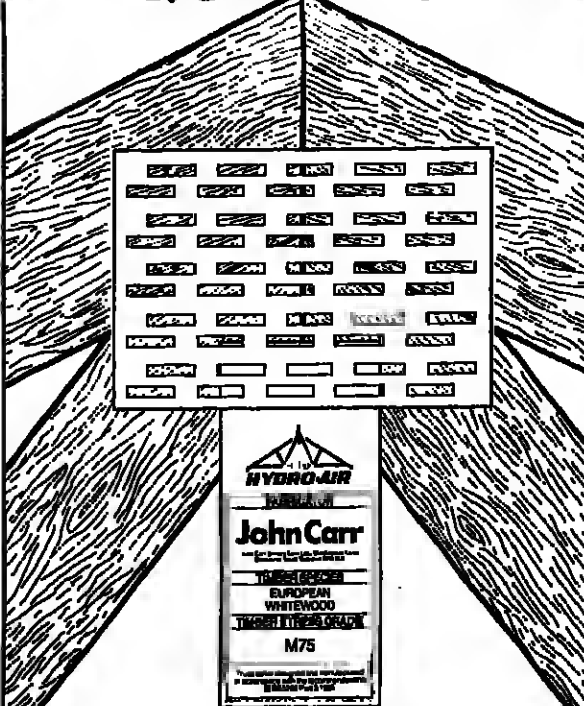
10 years ago

A LEEDS councillor has given full backing to the report clearing the 1,250-flat Hunslet Grange estate of structural faults. He refused to meet Sam Webb and other experts who said the flats were in danger of collapsing. Building Design, October 22, 1986.

Statistics



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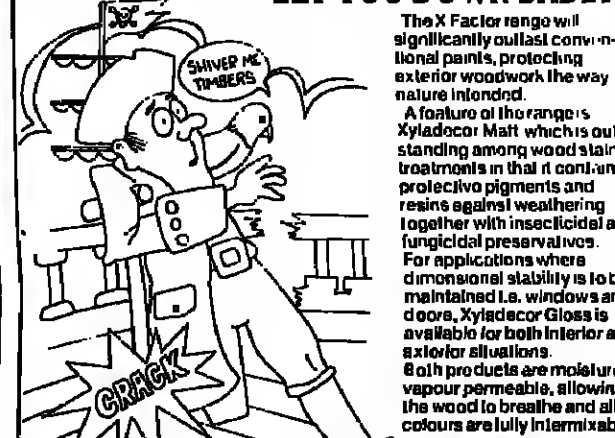
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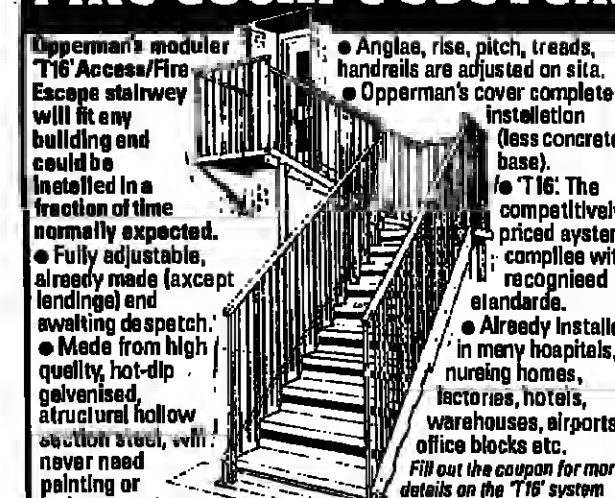
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Letters

Calculating the insurance risks

From John Newlove
IT was inevitable, I suppose, that somebody would completely misunderstand my letter on the subject of indemnity insurance.

Paul Newman (October 17) saw it as an attack on architectural technicians, which it certainly was not.

My point is that architects

seeking indemnity insurance should be able to make rational choices in the risks which they feel inclined to take and that, somehow, premiums should be adjusted in relation to those risks.

There are certain risks inherent in the practice of architecture and there are other risks which architects may feel obliged to take, but they need to be able to take if the relative costs of insurance are to be reduced.

Many claims arise from weaknesses in contract administration. An architect's duties in respect of contracts on-site may be summarised as follows:

- issue information to the contractor;
- give instructions;
- monitor progress, quality, and compliance with contract conditions;
- value the work properly executed;
- issue certificates;
- continually reconsider the design as work proceeds;
- consider and decide upon applications for additional time and costs;
- issue notices.

These duties are onerous and hazardous. In view of the rising costs of insurance it would be prudent to reconsider how some of these duties are delegated.

Professional responsibilities

lie heavily on architects, because the law adopts a stern attitude towards professionals who fail their clients and I am sure that it would not excuse errors arising from the mis-employment or inadequate supervision of technical assistants. My suggestions should be taken in this context, as an attempt to rationalise the control of insurable risks.

It does not surprise me that technicians practising separately are able to obtain indemnity insurance more cheaply than architects can obtain professional indemnity insurance. This is less likely to be a measure of architectural competence, as Newman seems to imply, than a reflection of the fact that technicians are considered to be less get-at-able for the time being.

John Newlove
Leeds

The winners at Divis

From Brian Anson
ALLOW me to use your columns to thank Cedric Price for his bits on Divis (October 17). Thanks Cedric, you know, it wasn't my campaign — and that's not false modesty as it's clear our exhibition had a powerful effect on the struggle.

The truth is that everyone's jumping on the handwaggon claiming credit for the demolition victory: every political party in the north of Ireland (with the noticeable exception of Sinn Féin); the Catholic Church and others — all screaming that they did it! Not for those who really won the day — the Divis residents who've struggled for 14 years.

I hear today, from a reputable source, that even Alice Coleman is claiming that the Divis victory is hers!

Anyway, we'll be grateful if you'd put your considerable power behind the next phase of the struggle (it's going to be harder than the demolition campaign) — the right of the Divis people to fully control the design of what replaces Divis. The housing executive says it's determined to use "in-house" architects — the Divis people say "no you're not". Here we go again. Will it ever end?

Brian Anson
Surrey

The bookies' friend

From Ray Cecil
SCORPIO the bookies' friend! By advising people (last week) to back two odds-on chances in a two-horse race he is doing nobody else a favour. Or is he planning to take the bets himself?

Ray Cecil
London W1

Selling the Drawings

From The Rt Hon Earl of Perth
PC
YOUR front page (October 17) reports that the future location

of the RIBA's Drawing Collection, Portland Square or Portland Place, is to be an important issue in the institute's presidential election.

The trustees of the RIBA Architectural Library have from the start been informed of the plan to be architectural books, drawings and archival material located at Portland Place; the purpose is to create a National Architectural Library, not a new library. The Government and the Victoria and Albert Museum. It would have a separate identity and value, including the Library Picture Gallery, but would be a bookshop with the library.

Finances is the challenge: the overall building cost, including the additional needs of the institute are estimated at £1 million rather than the £3 million quoted in your report. In addition, an endowment of £1 million or £2 million would be raised over the years to offset the extra staff and architectural material purchased from all countries.

At no time have the trustees heard of a proposal to sell drawings to finance the plan. I am confident they will oppose it as totally wrong. I feel sure would the RIBA's Perth
London W1

Irresponsible suggestion

From John Wells-Thorp, RIBA
honorary librarian
IT is a pity that John Hanks deliberately confused the RIBA presidential election campaign by his silly and irresponsible suggestion that I have ever contemplated selling part of the RIBA's Drawing Collection to pay for the reinstatement of the collection at Portland Place (October 17). Hanks' assertion is unfounded, and nothing I have further from my mind. I feel it necessary to correct this immediately because the suggestion of this sort of presidential election.

John Wells-Thorp
London W1

Stop rainforest destruction

From Joyce Taylor, Kensington
& Chelsea Friends of the Earth
REGARDING your correspondence on McDonald's Cambridge development and the hamburger connection with tropical rainforest destruction (September 1), I would like to second Stephen Meredith's anti-hamburger line.

But he highlights only one of the complex causes of rainforest loss... consuming hamburgers is not restricted to architects and designers, as is the specification and use of tropical hardwoods for the building industry and for decorative purposes. As well as not eating hamburgers derived from Central American rainforest ranches we should be concerned to avoid rainforest destruction in our own special sphere of interest and influence.

Logging, for instance, is the cause of massive tropical rainforest loss in some parts of the tropical world. Of the 78,000m² of tropical log imports to the UK in 1983, 32 per cent was used by the construction industry and 58 per cent by the furniture trade. Of the 619,000m³ of tropical sawnwood imports to the UK in 1983, 49 per cent was used by the construction industry and 35 per cent by the furniture trade (see Francois Nectoux — Timber) — an investigation of the UK tropical timber industry, published by Friends of the Earth).

The timber trade reacts sensitively to suggestions from environmental groups that logging is connected to tropical forest destruction, maintaining that only about 6 per cent of annual forest cut is exported. There is no doubt that in some tropical countries the main cause of forest destruction is the search for fuelwood and farm land, but there is no doubt either that the selective extraction of specific mature trees from a closed primary forest is the first step which opens up virgin forest to slash-and-burn cultivators and firewood gatherers.

And that is not the end of the matter. These tropical rainforests are home to many thousands of indigenous tribal peoples, are habitat to nearly half the world's wild species, and containing as they do an incredible variety of species, they are the world's genetic bank for the future of science, medicine and industry. When the trees go, the thin forest soil washes away, causing siltation and flooding, and the land degenerates to scrub and desert; rainfall declines and rational and global weather patterns change.

Friends of the Earth are aiming to promote the sustainable use of the tropical rainforests in the form of plantations on already degraded land, and carefully managed forest concessions, and where necessary their outright protection.

They also wish to spread the message that those of us who live in developed countries are as responsible as people living in developing countries for the loss of the rainforests. It is up to us, as architects and designers (as well as hungry eaters) to do our bit to stop the rot.

Joyce Taylor
London W11

Binding agreement

From J Wood
I WAS interested to read in your paper that the American exper-

ience is that firms are rejecting projects unless the client will indemnify the architect regarding insurance.

This is an attitude which I have frequently expressed to architects, and if a proper agreement is reached at the outset, I see no reason why such an agreement should not be legally binding. If there is a reduction in the architect's fee to take into account the shifting of the burden of insurance then there is no reason why the arrangement should not be perfectly valid.

Unfortunately, lawyers in this country are unable to escape liability for negligence, as this would offend the Unfair Terms of Contract Act.

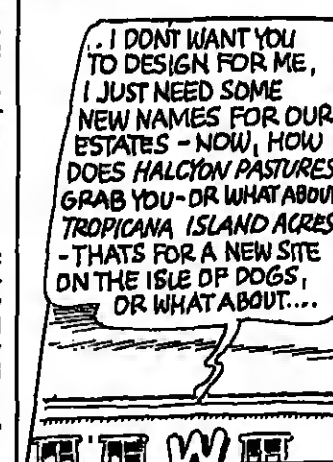
The high cost of insurance has now driven solicitors to fund their own insurance requirements.

J Wood
Staines

Hollow truth

From H Werner Rosenhol
THE SA Gs (September 26) were not too far out with Sir Wallace's "Halcyon Pastures". Here in Amersham we have a recent development on a dead-flat site, a former garden, two minutes walk from the main shopping street, called "Sleepy Hollow".

Nick Jones could hardly improve on this!
H Werner Rosenhol
Amersham
Bucks



Obscure molehills

From David Higdon
ARTHUR Quarmby (October 3) chewed the obscure (that's obscure too) reference to earthshelters in my earlier letter on design control. I happen to think earthshelters could be really really great, and I mean that sincerely. I would just love to live in one, swimming around down there without offending anyone. Oh my! Oh my!

The point I had hoped to make was that even as benign a proposition as an earthshelter on the flapside of the landscape would be a contradiction in terms if the use to which it was put resulted in huge amounts of traffic pollution. So applying this logic to the Quarmby challenge: deep-mined storage for propane and butane near the Lincolnshire coast seems ok; deep-mined earthshelter nuclear storage elsewhere in Lincolnshire would be totally repugnant. Dig it?

David Higdon
Newcastle Upon Tyne

Hackney's overhaul

From Ian Finlay, chairman, Community Infrastructure Group
I AM encouraged and pleased that Rod Hackney has decided to run for the RIBA presidency. The RIBA needs a major overhaul, of that there is no doubt. We have endured for far too long a moribund administration and successions of presidents interested in the profession's upper echelons only.

The RIBA instead ought to be addressing the needs and concerns of ordinary architects who constitute the vast majority of the profession, and additionally students and their needs when qualified.

We also require a president and administration that is prepared to redress the real environmental problems which exist and to support architects working with members of the wider community who must require their expertise.

In short, we need a president and administration that can demonstrate its aims. The existing stagnation will require determination and vigour to tackle it. It will certainly require the energy and commitment of members in the regions to overcome this basic problem.

Rod Hackney has a reputation for taking on issues with insurmountable odds... and winning.

He is clearly the person for the job ahead.
Ian Finlay
London W1

Classicism analysed

From Professor Geoffrey Broadbent, head of school, Portsmouth Polytechnic
HOW grateful your letters editor must be to H Meyer, who can always be trusted to rise to the occasion (October 10). But Meyer has missed the point of my original letter

(September 17). I have no proprietary interest in classicism, nor was I apologising for it. I was simply reporting facts which must be taken into account before anyone draws conclusions. My central point was that you cannot equate classicism with fascism, since Russia and China demonstrate, very clearly, that regimes of the kind which Meyer seems to want, with "the equal right of all to the occupation and use of the land" have been just as prone to build classical monuments as any of the fascist regimes. What is more, they have done so on the authority of Karl Marx himself.

As for Frank Lloyd Wright, of course he was most scathing of those Americans who continued to build classical monuments in the 1930s, but he embraced classicism himself at the two ends of his career. The first thing you see in his own house and studio in Oak Park is a classical frieze. If any buildings, such as those rather awful offices for Marin County belong

to any tradition at all, it is the classical tradition. What is more, Wright recorded his approval of the Soviet government's attempt to bring classicism "to the people" with the Moscow Metro System etc.

Before we jump to any conclusions, there is one further, rather stunning fact: that Skidmore, Owings & Merrill have appointed Leon Krier to advise as to the architecture they ought to be doing next (L&O, October). No doubt Meyer and others will react with equal violence to this, but surely we should all be asking why the most modernist of all modern firms should be taking such a drastic step. One's aim, surely, should be trying to understand rather than to react with violence.

Geoffrey Broadbent
Portsmouth

Letters for publication should be typed on one side of the sheet and sent to The Editor, Building Design, 30 Calderwood Street, London SE18 6QH.

History

'New' Mackintosh causes storm

A developer's advertising brochure has sparked controversy in Glasgow. Richard Carr reports.

MUCH interest has been aroused in Glasgow architectural circles by the claim that a "new" house designed by Charles Rennie Mackintosh has been discovered at Milngavie on the northern outskirts of the city.

The house, Robinsfield, was bought a couple of years ago by a property developer who has been renovating and converting it into self-contained flats, and

the glossy brochure offering the first of the flats for sale states:

"At the turn of the century, an architect was commissioned to design a large country house on the edge of Bardowie Loch for the Scottish artist R Macaulay Stevenson. The architect was Charles Rennie Mackintosh and the new house was to be designed around the existing 18th century towerhouse to form a large country mansion containing two large artist's studios."

This statement will no doubt surprise Mackintosh experts like Roger Billcliffe, who has found no written evidence of the architect's involvement in Robinsfield, and Vivien Hamilton of the Mackintosh Archives held by Glasgow University, who says that there is only one reference to Robinsfield in a notebook of 1913 which refers to advising on a colour scheme for the house. But the developer's claim has received some support

from Macaulay Stevenson's daughter Jean, now in her 80s and living in Glasgow, who says: "Mackintosh and my father were very great friends and, of course, Mackintosh came out to help, Mackintosh made the stairs just about 1906-07."

She also believes that Mackintosh may have advised her father on the design of two large inglenook fireplaces in the house.

Just how divided opinion is on the extent to which Mackintosh may have been involved in Robinsfield can be seen from the views of other experts. Ronald Watt, the architect working on the conversion of the house, says:

"The overall pattern of the building is consistent with the work Mackintosh was doing elsewhere around the time (1906-7)."

"Whether Mackintosh was there throughout the building period or not, I am convinced that he controlled or influenced the whole."

Support for the Mackintosh camp also comes from Dr Tony Jones, who has just resigned from being director of Glasgow School of Art to become the head of the Art Institute of Chicago.

"Of course very much of the house is Mackintosh," he says. "The developers were naughty in describing it as a commission of his — but they could be excused in that the large studio windows are identical to those in my own studio in the school of art, and are smaller versions of those in the large studios in the art school."

"Also, the staircase is undoubtedly Mackintosh, and the fireplaces have strong Mackintosh overtones. I feel that here Mackintosh was trying out his early ideas before they came to their ultimate resolution."

But this view has been challenged on Scottish Television by its interviewer, Alistair Moffat, who said:

"There is no evidence whatever to show that Robinsfield was designed by Charles Rennie Mackintosh."

"All the experts say emphatically that the building was not designed by him."

Moffat added that the nearest anyone had gone to attributing Robinsfield in any way to Mackintosh was to say that the house was designed by Macaulay Stevenson in the Mackintosh style, "which is a long way from telling prospective buyers that Robinsfield was designed by the great man himself."



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Awards

INNOVATIVE IDEAS

THE first annual PA Awards for Innovation in Building Design and Construction were presented on Tuesday by housing minister John Patten.

Chairman of the jury, Professor Brian Smith, presented the report on behalf of his fellow assessors Roy Landau, Jack Newby, Dejan Sudjic and Roy Brown, extracts from which follow.

"PA's intention was to award three prizes — for a factory, for a public sector building and for an office — and we had on the shortlist at least one for each category. At last — and I must admit somewhat to my disappointment — the panel did not regard more than one entry as worthy of a prize.

Their reasoning was soundly based on the criteria which had been set for the competition, and, of course, their own experience and knowledge of the industry.

The central criterion was clearly the degree of innovation, and here we considered both technological innovation, such as new methods and materials, and conceptual innovation such as new applications of old ideas in new situations.

The other criteria were benefit to user (did the building work well for its occupiers?), transferability (that is, the degree to which the new idea could be adopted by others), aesthetics (more a corrective factor than a positive one, in other words, no matter how innovative, an unattractive building would be marked down), and lastly one which I never really understood called "the enhancement of British design and construction", so I gave all entries the same mark.

All eight on the shortlist displayed highly innovative features. It was simply that the winner met the criteria best of all.

Scott, Brownrigg & Turner submitted "Concept 2000", a most impressive glass-covered office in Farnborough. The innovation was strongly centred on the way of fixing the glass and on its effect on the environment inside. Unfortunately the office was new, had not yet been occupied and so we could hardly

satisfy ourselves that it did indeed work to the benefit of the users. I hope that this entry can be re-submitted in next year's competition.

Edward D Mills & Partners entered the Birmingham International Arena, a staggering piece of engineering and capable of seating an audience of 12,000 people. It had been completed over five years ago, which seemed a long time for an innovation award.

RMJM entered the National Farmers Union and Avon Insurance Building at Stratford. Again a remarkable piece of design and construction and the architectural press have given it wide coverage.

Chamberlin, Powell, Bon & Woods entered the Wandsworth Refuse Transfer Station, with the innovation essentially conceptual. Siting a refuse works on a sewer and promoting it as part of a recreational area for the public, was indeed a bold concept.

Fisher Hollingsworth Partnership submitted their conversion of a Victorian building in Hull to three soundproof, ventilated, well-lit juvenile law courts by using special glass reinforced plastic partitions. A quite delightful achievement, I felt, in an unpromising situa-

tion.

The Harry Bloomer Partnership submitted the offices of the South Staffordshire Water Company at Walsall. The central innovation was energy conservation including deep

Concept 2000 at Farnborough, by Scott, Brownrigg & Turner.

sills, eyebrow shades over windows, and indeed the choice of building shape itself to be energy efficient.

The Livingstone Development Corporation in Scotland entered a very high technology

factory making new forms of micro-chips. The demands for clean and vibration-free production areas, and the use of exotic and dangerous materials, posed a special challenge to the architects, which they answered in a splendid way.

And so we come to the entry submitted by Sheppard Robson. Triton Court, Finsbury Square, Richard Ellis acted as developers for the Royal London Mutual Assurance Soci-

ety own the building; Ove Arup were engineers, and Gardiner and Theobald the quantity surveyors; the builders were Trollope & Colls.

To quote their submission, Sheppard Robson "were briefed to transform the existing Edwardian building with its obsolete services and gloomy internal lightwells into an office environment capable of attracting the City's most technologically advanced companies and

institutions."

In our view they have done this with distinction. The incorporation of an atrium is by no means the whole of the innovation, although it is a splendid one; central design

showed itself in other ways too:

- The new atrium entrance will preserve the best of the old Edwardian facade in a surprisingly sympathetic way.
- Great attention has been given to office community

facilities such as a gymnasium, squash courts and a restaurant, and even aspects of Finsbury Square itself were influenced by the architects.

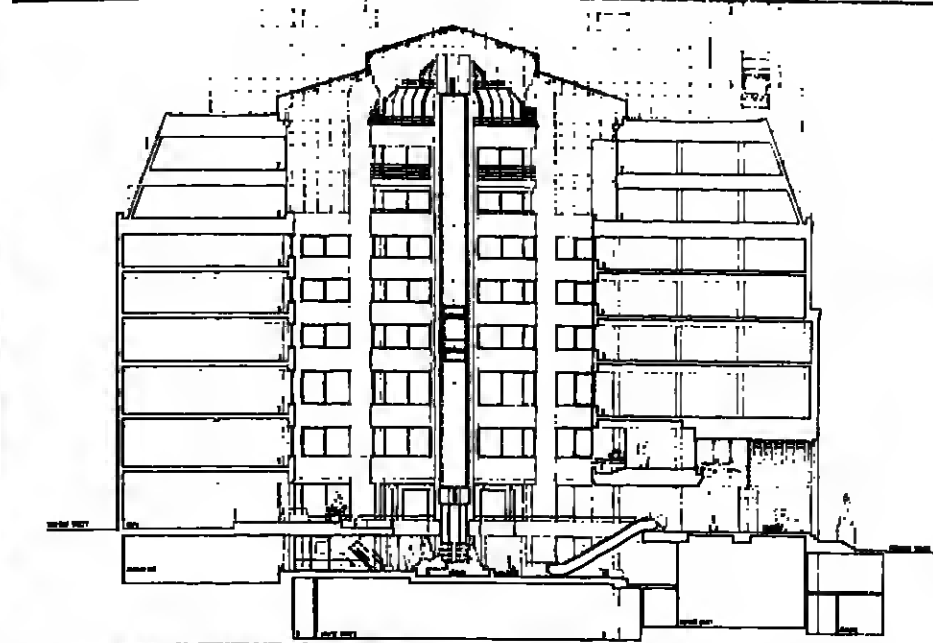
- In its construction methods Triton Court was unprecedented. Techniques developed for new-build "fast track" schemes were used for the first time on an existing building refurbishment resulting in an extremely rapid contract. These were: slip-formed concrete cores, prefabricated steel frame, prefabricated toilet "pods", prefabricated steel staircases and atrium cladding, all of which were assembled quickly without traditional wet trades.
- There is a computerised building services system, and, believe it or not, coal-fired boilers.

The initial cost was close to £30 million, and the building houses some 2,000 staff. Sheppard Robson on Innovation at Triton Court:

- In stark contrast to the prevailing "rent slab" approach to City offices a concept of an office community was developed with the possibility of many tenancies sharing a common entrance and a communal focus in the atrium. The wine bar, restaurant, squash courts, gymnasium and kiosks serve the occupants but are equally accessible to the public.
- By careful, often laborious negotiation with the Greater London Council which resulted in the acquisition of nearly 100 waivers to traditional building regulations, the Triton Court atrium is not a "sterile tube". It is the circulation hub of the

- Within the atrium the colonnaded base, stone upper floors and mansard roof of the classical exterior have been echoed by a layered treatment using modern materials detailed to generate the same robust confidence of the Edwardian facades. Mirror glazed curtain walling, so often used unimaginatively as a total building envelope, has here been used as a foil to more solid cladding materials, creating a brighter atrium with a lower apparent height.

Awards



Cross section through atrium of the Triton Court development, the award winner.



Triton Court, Finsbury Square, by Sheppard Robson.

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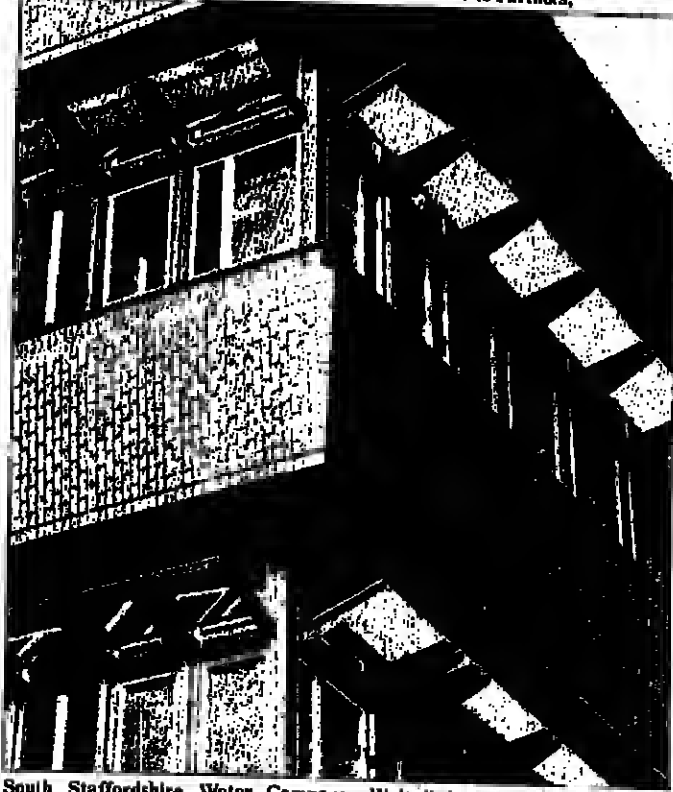
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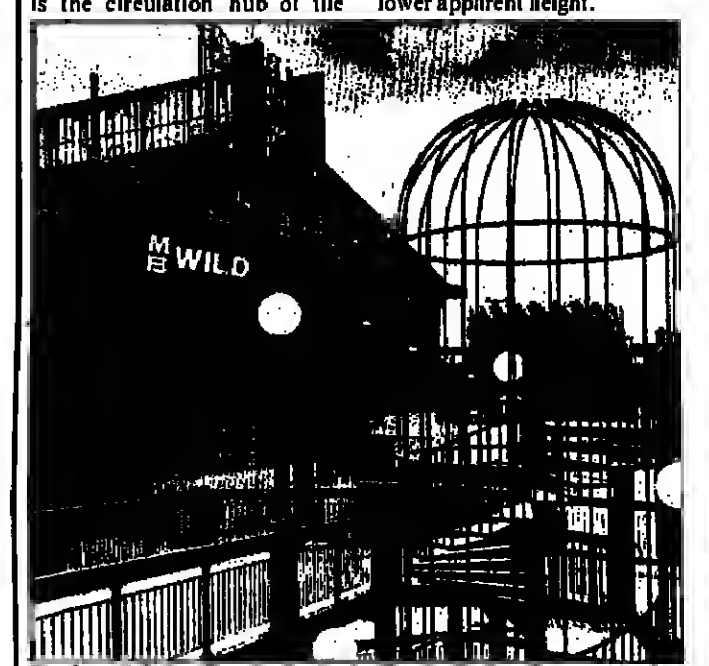
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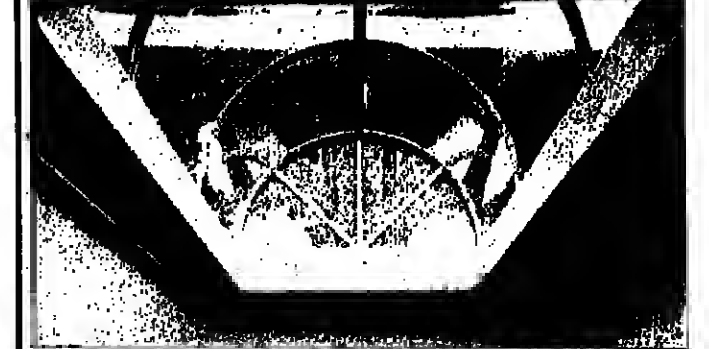
Birmingham International Arena by Edward D Mills & Partners.



South Staffordshire Water Company, Walsall by The Harry Bloomer Partnership, detail of the facade.



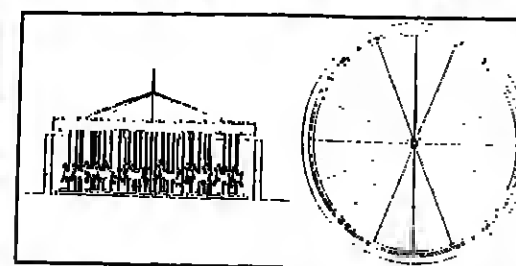
Wandsworth Refuse Transfer Station by Chamberlin, Powell, Bon & Woods.



Detail from the Lowgate Courthouse, Hull, by the Fisher Hollingsworth Partnership.

Exhibitions

CITY ICONS



"The Collapse of Time" installed in Bedford Square. (Photo: P J Barnet).

Children — Merry-go-round No 15.

THOSE for whom the name of John Hejduk means the rarified drawings of Colin Rowe's "New York 5" book and the stylish neo-Corbusian revamp of the interior of Cooper Union institute (of which he is dean) are in for a surprise if they visit the exhibition of Hejduk's recent work, entitled "Victims" at the Architectural Association.

In Bedford Square they will first encounter a kind of sculpture of rudimentary architecture

mounted on railway lines, entitled "The Collapse of Time". We may view this as an ark of Hejduk's new architectural covenant, or at least a harbinger running ahead of the main train. It is a carriage of timber laths with a sextant-like structure which enables a tower of numbers (written back to front) to be raised or lowered, and a steel plate to be moved along the numbers like a clock or primitive score-card for some lost game or ritual — or rather, touse Hejduk's word, a masque.

Brian Hatton looks into the architectural iconology of John Hejduk, whose recent work is currently on show at the Architectural Association, and finds that it offers plenty of surprises.

Over the last few years Hejduk has designed several of such "masques" for European cities, in which he has sought to respond symbolically to what he feels is our culture's need to "invent new programmes" by devising ensembles that seem to represent compressed and reductive icons or hieroglyphs of the existential protagonists of the polis. In these ensembles a set of architectonic objects is brought into correspondence with a cast of imaginary subjects, whose identities and motivations are summed up in particular structure in a way that, if we are to suppose that these works have a representational purpose, may indicate a truer basis in being (in the sense described in Heidegger's famous essay "Building, Dwelling, Thinking") than our present technique-obsessed condition allows.

It is hard at this point to estimate the continuity of Hejduk's new work with the previous theorems in abstract architectural iconology with which he made his name — the "Texos", "Diamond", and "Wall" houses, in which he took classic modernist propositions in form from Cubism, De Stijl, and Le Corbusier, and pressed their phenomenological implications to the limits of architectural autonomy.

Certainly, in the new publication of Hejduk's complete works, "Mask of Medusa", a 20-page interview with Don Wall succeeds only in eliciting the decisive importance for Hejduk in the late 1970s of the appearance of Aldo Rossi's project for the Modena Cemetery.

Ground plan of "Victims" No 15.

Hejduk now appears as what we might call the "logical School", a self-architect and historian, following Daniel Libeskind, Oskar Vesely, Rainald Abitz, Joseph Rykwert and others whose starting point is what he sees as the existential moment upon the enlightenment, elevation of technique, what Heidegger called "forgetting of being" in the modern world.

For Hejduk, in his not unconvincing, this seems to be an attempt to attend to the elementary glimpses of a profounder existence than the poetic epiphanies that can be stabilised in the form of architectural icons that represent, like John Hejduk's "Invisible Cities", visionary condensations of a ritually ritualised "Lifeworlds".

In "Victims", the proposition is not for a masque but for a memorial place to be built over 30-year period on the site of the old Gestapo HQ in Berlin, consisting of a site boundary double hedge with a tunnel running between them.

containing an ensemble of 67 structures set in a gridded plantation of saplings that would grow into trees over the building duration. The structures are scattered across the compound in a loose chain, but they are introduced and encountered in a strict order of sequence, from the "Horticulturalist" in charge of trees, shrubs, and flowers to "The Application" in the "Passport Building".

In fact, even the "Schoolbus" which brings visitors is part of the ensemble, and a drawing of it is included with the other 66 structures in the exhibition. Entrance to the compound is by a drawbridge kept by a "Drawbridge Man", who is given the following description in the guide to the project: "After seeing Carpaccio's 'Venetian Bridge' he was inspired to reproduce the bridge shown in the painting for his drawbridge. He left unanswered the sense of it all." The drawbridge number is seven in the list: the carpenter is encountered at 34: "His position is to do construction for the Rosewoman, to keep the drawbridge in repair and make a

new picnic table every year. He studies the 'A' frame tables in 16th and 17th century paintings. He belongs to the Order of the Carpenters". There is a "talisman from Rubovia", toytown, or feudal quality to all this, as if the perfect example of the perfect concordance that Hejduk seeks between the dweller, his being, and his building might be a toy soldier in his sentry box.

This is confirmed by the appearance of the structures in the drawings. Most of them have a booth, kiosk, or playground typology, using simple and common means of construction to achieve a singular and memorable quality of image, as if in each case life has found its unique form of housing. The effect is meticulous, precise, yet overall curiously arbitrary. Their static and fixed character is emphasised by the absence of articulated plans — each kiosk represents a single station of being, a single motivation, and a single state of mind.

In general, Hejduk is probably right to gather these works into congregations, for the imagination embodied in them those sketch sheets which are covered in clusters of variations on his themes, each one bristling with a more stagey and self-conscious on a large scale and in isolation. Hejduk is not interested in extension or the generality of urban typologies. These he represents in his project by the grid of saplings. Hejduk is after the exception, the intense, the individualised, the epiphanic images that punctuate the indifferent spread of the city and render it unto memory. He belongs

for a city in which every mode of dwelling and being finds its unique image and definitive fulfilment. But in shifting from the sphere of autonomous formal operation to that of a self-programming iconology, Hejduk has simply exchanged one kind of hermeneutic and solipsism for another.

John Hejduk's "Victims" and "The Collapse of Time" are at the Architectural Association, 36 Bedford Square, London W1, until October 27. Ten "Victims" is the first in a series that attempts to bridge the gap between projects and ideas.

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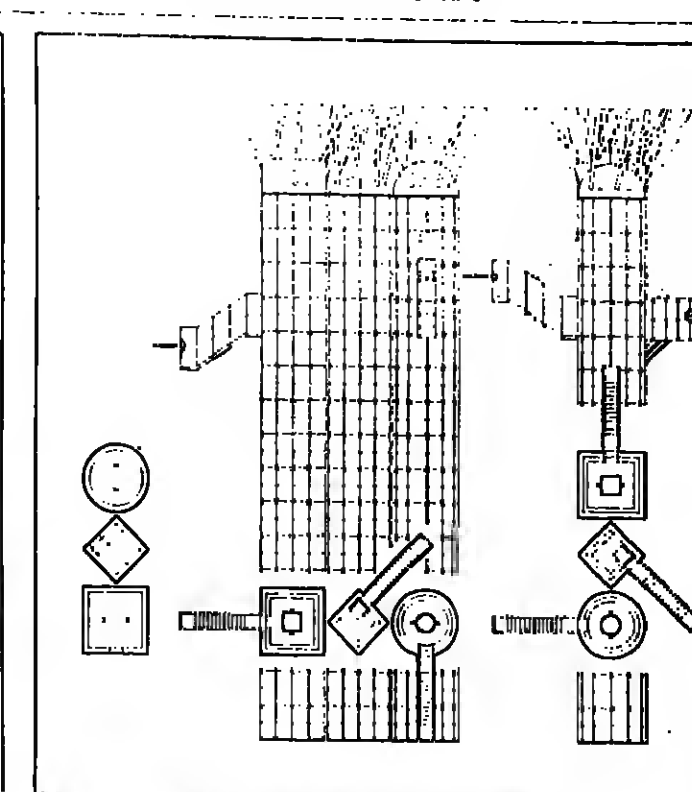
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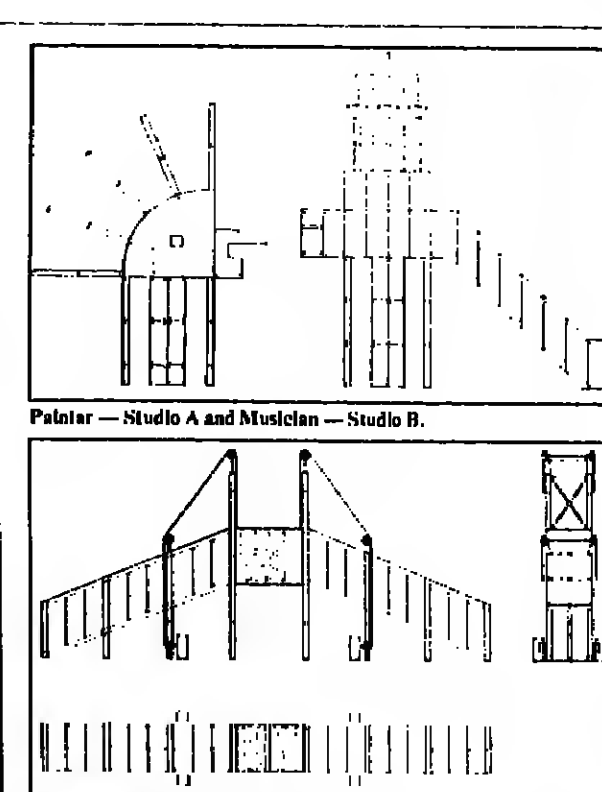
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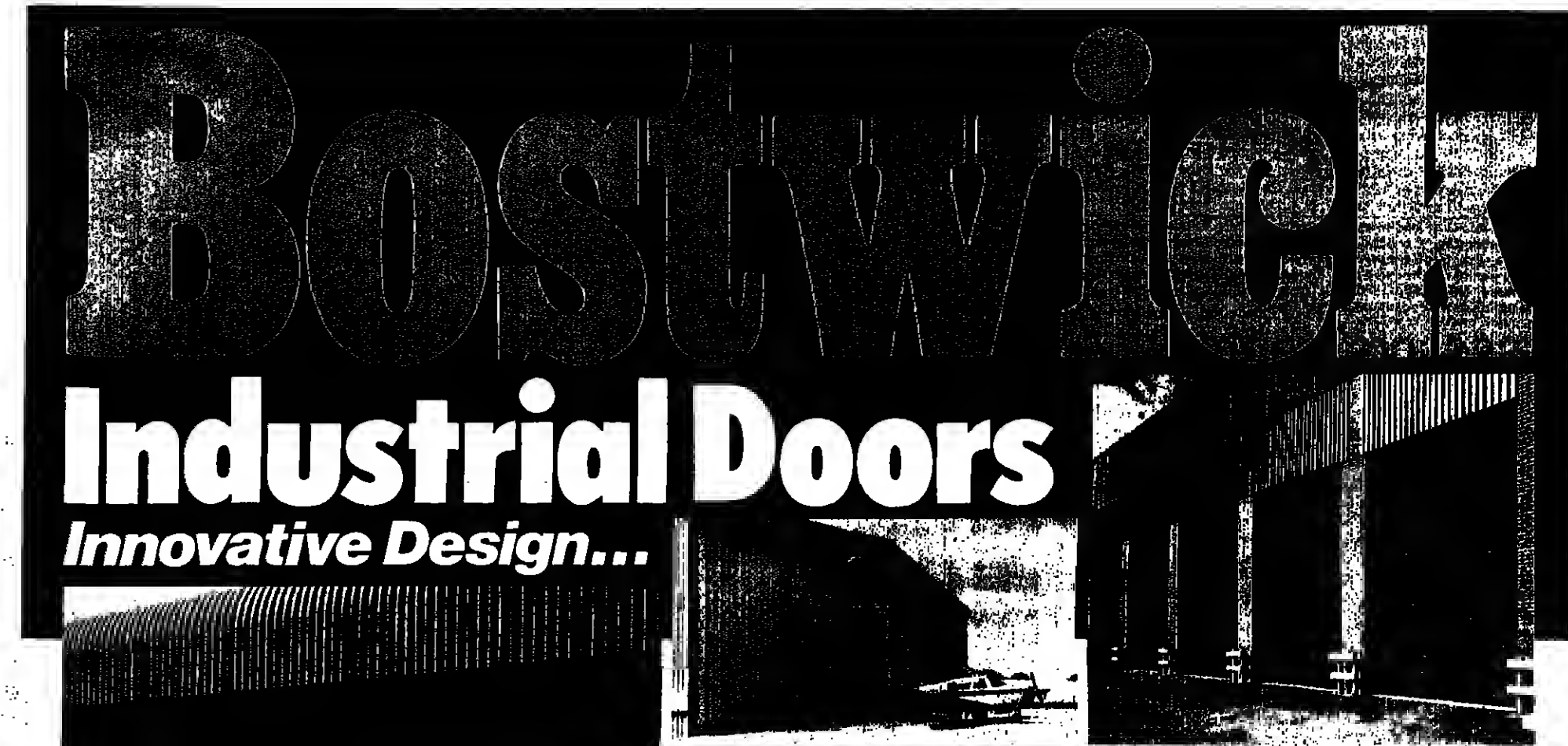


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UNIVERSITY CHALLENGE

Ian Latham prefates the three prizewinning proposals for the new University Centre at Aston. They are presented with extracts from the architects' reports.

BY all accounts the open competition for the design of a new conference centre and residential block, recently won by Milton Keynes practice Denton Tunley Scott, has been a success.

The brief was well set out, the problem was challenging, the jury was of a high calibre and the two-stage procedures, whereby eight practices were paid to develop their initial sketch schemes, seems to be the most painless and stress-free path to finding a satisfactory scheme.

The three prizewinning entries are of high quality and warrant closer examination because they are by comparatively young emergent practices and their selection was by a jury including John Partridge and Paul Koralek of HKPA and ABK respectively, worthy and

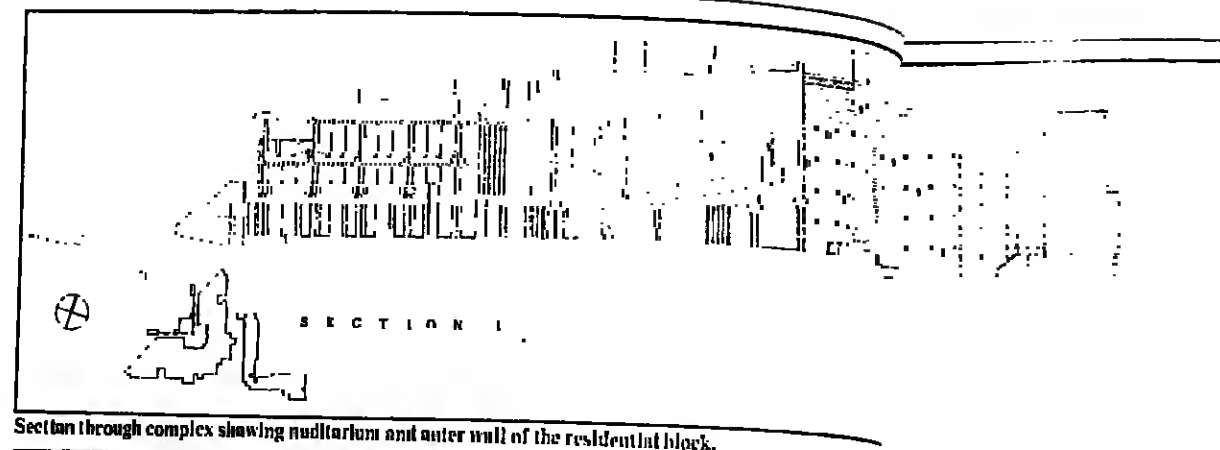
successful practices with a good pedigree.

The complex inter-relationships of the various functions as well as the problems posed by the context demanded thorough and inventive schemes, while the phasing requirements made only a few diagrammatic plan arrangements possible. (Note, for instance, the similarities between the first and third placed schemes.)

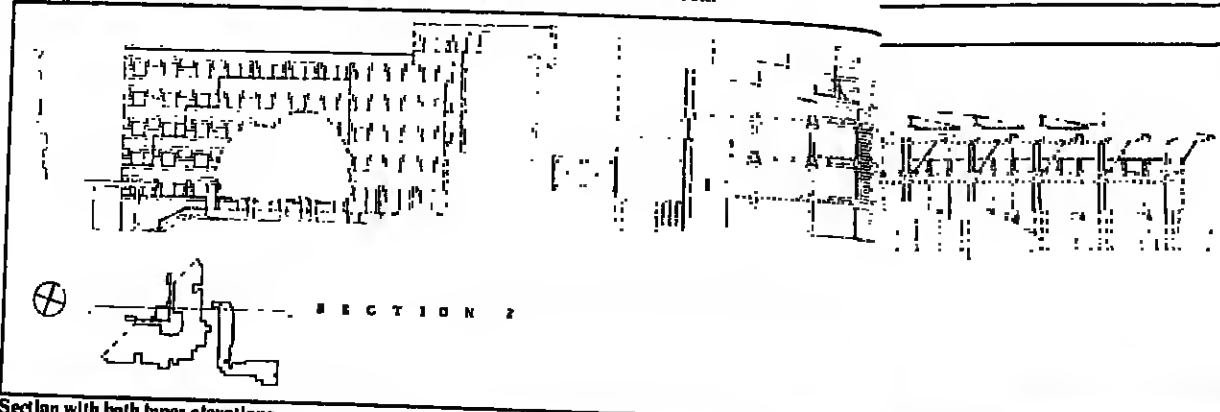
Denton Tunley Scott's winning project owes something to the Cambridge school that includes Leslie Martin, Richard MacCormac and Barry Gasson, as well as the Dutch structuralists like Van Eyck and Hertzberger. The richness and apparent complexities of the scheme are achieved through highlighting the functions of the concrete frame and other constituent materials — a kind of

constructional expressionism.

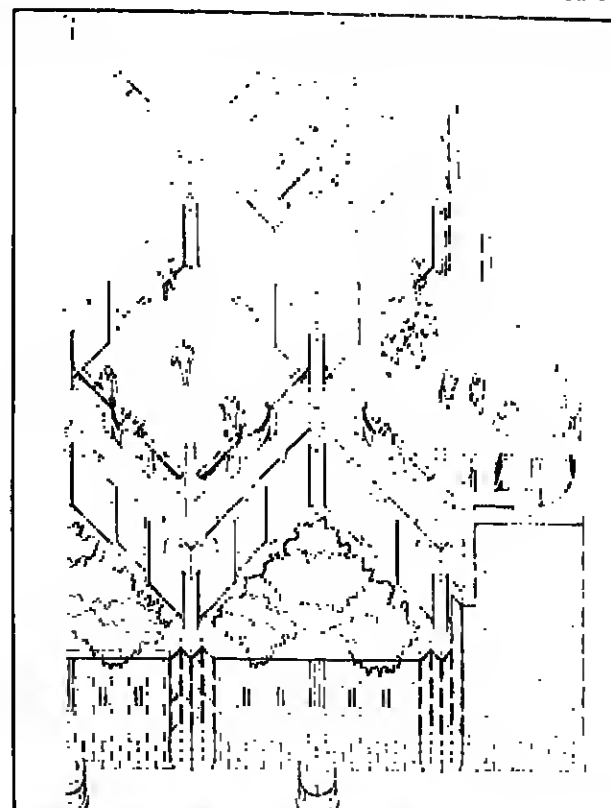
Second-placed Bob Allies and Graham Morrison have produced a more restrained yet equally exciting solution that fits the classic-modernist tradition — they have even "quoted" directly from Alvar Aalto with their auditorium. Munkelbeck & Marshall in third place, have also produced a thoughtful, contextual scheme, perhaps more evidently stylish than the other two, and perhaps with similarities to an approach we might expect from Jim Stirling.



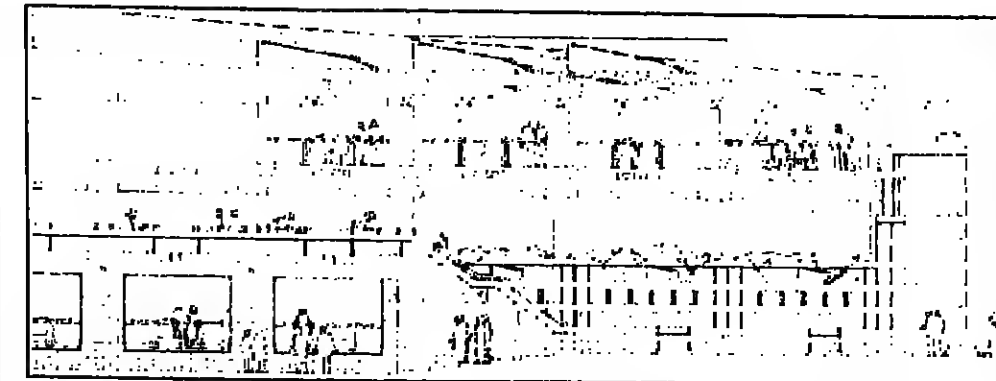
Section through complex showing auditorium and outer wall of the residential block.



Section with bath liner elevations.



Axonomic detail with part of roof canopy removed.



Elevation detail of conference building.

Denton, Tunley, Scott (First)

THE pivotal location of the site offers the opportunity to insert a unifying element which could bring together the present collection of existing buildings of disparate forms and styles. The proposal seeks both to form and imply a series of external spaces and routes in an attempt to bring order and calm and some degree of civility to a difficult situation.

The priority in this structuring exercise has been given to the formation of a University Square

are which in the urban context is seen as an ante room between the gateway entrance hall on the SW corner and the larger Costa Green Square. A secondary but perhaps equally important aim was the provision of a linking route from Costa Green and the complex of buildings on the north, to the library, which seems to have been cut off by the south of the new relief road.

The scheme consists of two L-shaped buildings placed in a back to back configuration on each side of an axial route leading from the students union to the library. In conjunction with the existing buildings they form two spaces of totally different character.

The more substantial weight and presence of the conference centre is employed to define University Square with the played "wings" forming transitional links with Costa Green and the entrance quadrant. The residential building combines with the management centre to enclose a quiet garden.

The conference centre occupies three storeys with the commercial element employed to provide a ground-floor base with the principal elements of accommodation located at first-floor level. The organisational pattern is determined by extending the arcades bounding University Square through the building to form a circulation cross containing within it the drum of the Main Hall and articulating this from the ancillary wings.

The east-west zone extends in the form of a bridge link at first floor, to the residential building and ends in the garden court. The main dining room, with staff lounge above, occupies the west wing overlooking the entrance quadrant, University

Square and the library gardens to the south.

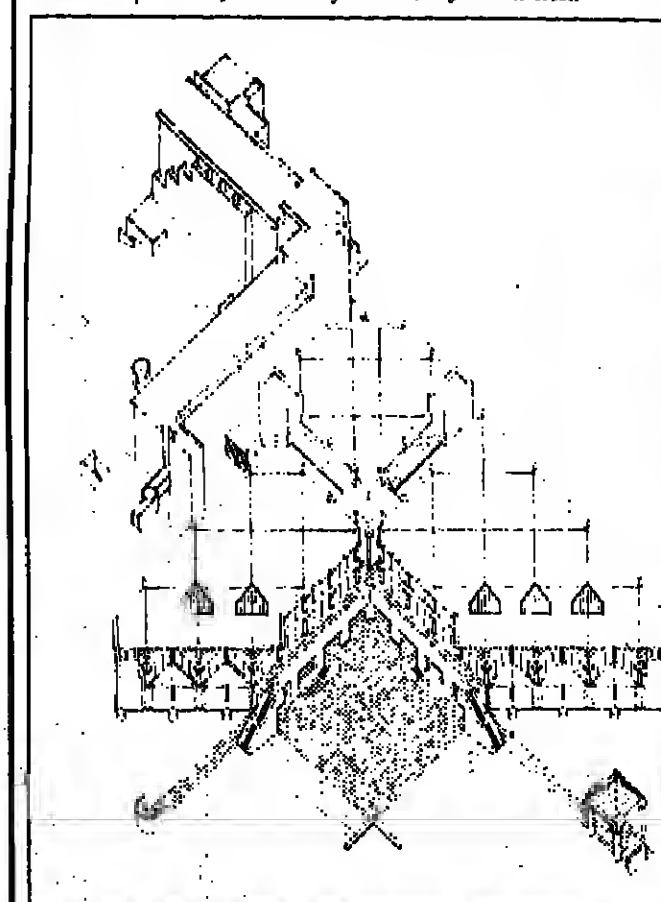
The quieter north wing contains the seminar rooms on two levels with an exhibition circulation area linked by ramp to the ground-floor entrance area. The Main Hall is the prominent element in the design and forms a powerful quadrant addressing University Square diagonally opposite the new entrance to the main building. The rest side of the drum turns the corner at the end of the Costa Green link opening up views of the library and associated gardens.

Internally, the hall occupies a double-height volume and has a ramped floor consisting of a series of curved seating platforms. From the square the building is designed to read as a solid base, hollowed out in the central forum area, surmounted by a two-storey "order" of the principal rooms, giving a lighter and more intricate moulding, capped by a diagonally pitched roof umbrella acting as a unifying element.

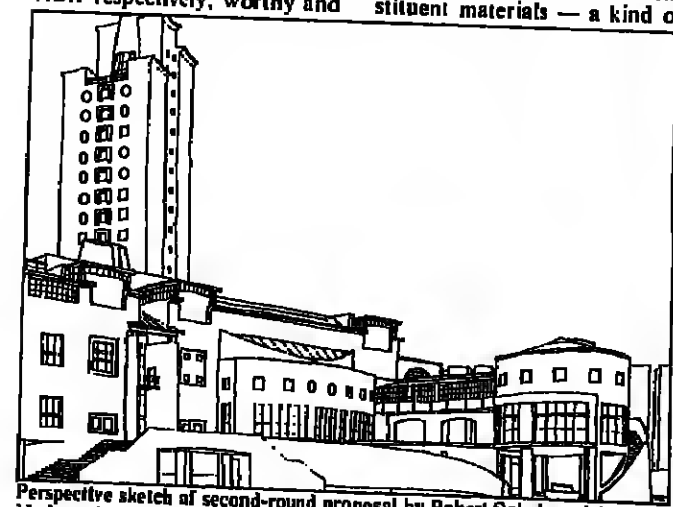
The residential building is organised around a single-sided access system, which assists in the formation of the pedestrian route and also facilitates the phasing of the construction.

The building is generally five storeys in height, to link visually with the existing building, but extends to six storeys on the entrance corner to terminate the library garden space. Generally, the building is given a simpler treatment to that afforded to the conference centre, particularly in the private garden court.

Architects: Denton Tunley Scott. Design team: Trevor Denton, David Grindley. Structural engineer: Michael Dickson of Burn Haggard. Quantity surveyor: Mike Sharman of Davis, Belfield & Everest.



Axonomic view showing relationship of the two L-shaped blocks.



Perspective sketch of second-round proposal by Robert Sakula and Anthony Hudson, incorporating a residential tower. They were assisted by Duncan Holmes, Canny Ash, Geoff Strange, Nick Smith, Alice Brown, Neil Harney, Jenny Dale, Paul Griffiths and Cathy Fitzgerald. Building economists were John Desmond and Richard Stone of Barnard Williams Associates and structural engineers were Alan Combs & Assos.

Assessors' report

WE consider that the eight entries submitted at the second stage of the competition have set a high standard of design.

All the schemes demonstrated an understanding of the difficult problems associated with the context of the site and the need to insert a new University Square related to the scale and form of the immediate surroundings, which are dominated by the heaviness of the large main university building. All the designs fully justified their selection for Stage 2.

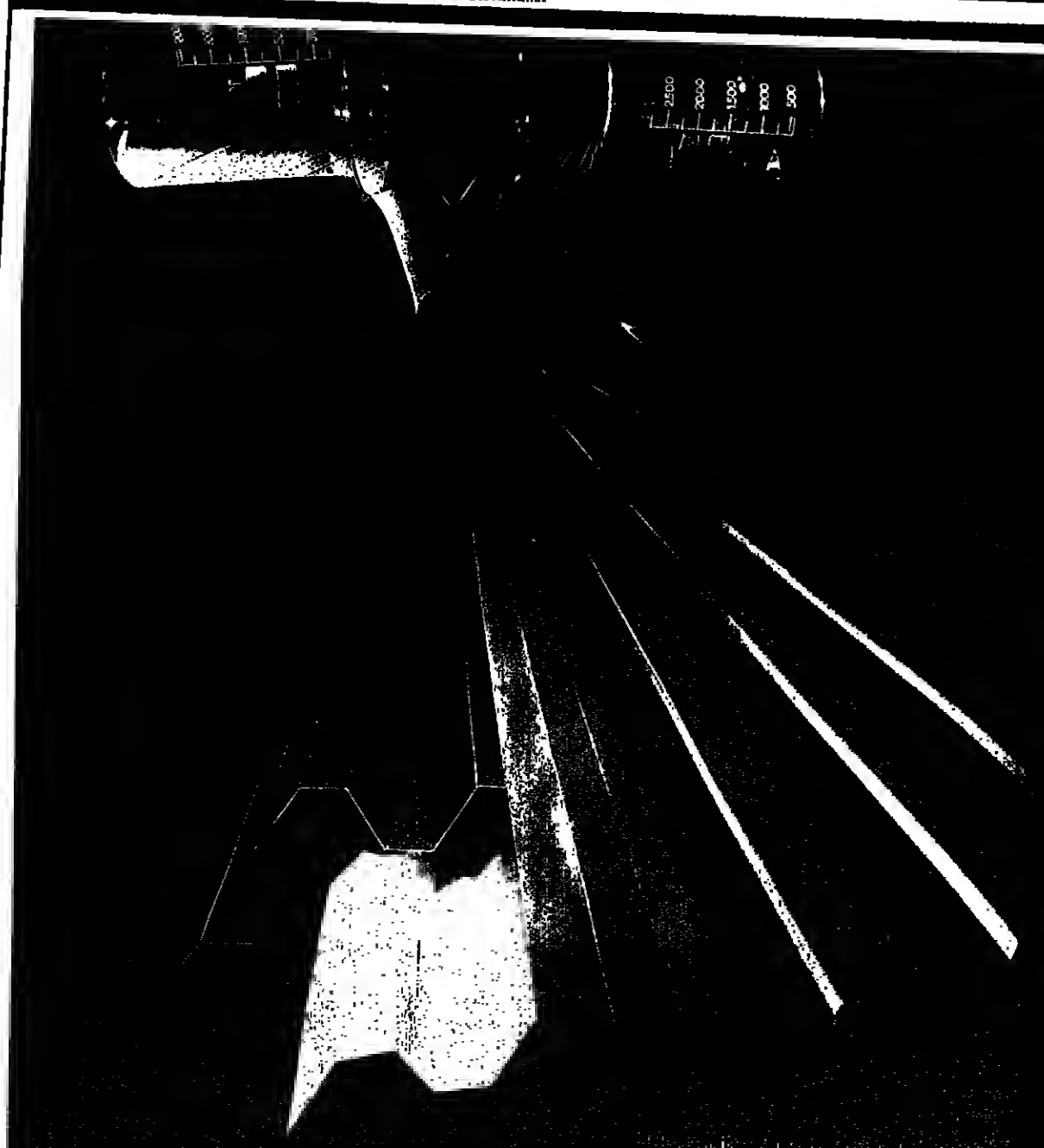
We have chosen scheme 3 as the outright winner. This is an elegant, well-planned building which responds to and successfully resolves the complex pattern of routes and spaces surrounding the site. The form of the building defines the diagonal route while at the same time a rectilinear space is neatly inserted to respond to the main building and make a University Square. The simple plan form reflects a clear and straightforward analysis of the functional components of the brief and solves the organisational and planning problem in a seemingly effortless way. The relationship of the two phases is good, making each to be built separately without undue disruption, and the residential building is well related to the management centre.

The elevations, which are sensitive and well controlled, nevertheless give a feeling of stylistic force. Their overall form and character derives from the materials of brick, stone bands, timber and glass of which the building is made and the larger scale drawings demonstrate an assurance in handling the various components of the design. The roofscape of metal and glass would be attractive when seen from above from the upper windows of the main building.

Scheme 2, which we have placed second, has a more fragmented plan with an attractive north-south route through the building which works well. It must be commended for its excellent handling of its various elements. They are, however, small in scale and while they relate well to each other we thought that the main university building would overpower the design.

Scheme 3, which we have placed third, has a well resolved and clearly articulated plan. This scheme deals successfully with the problem of scale relationship to the main building by the device of a screen wall giving a larger framework than the elements of the building would need.

Assessors: John Partridge, Michael Diamond, Paul Koralek, Colin McLish.



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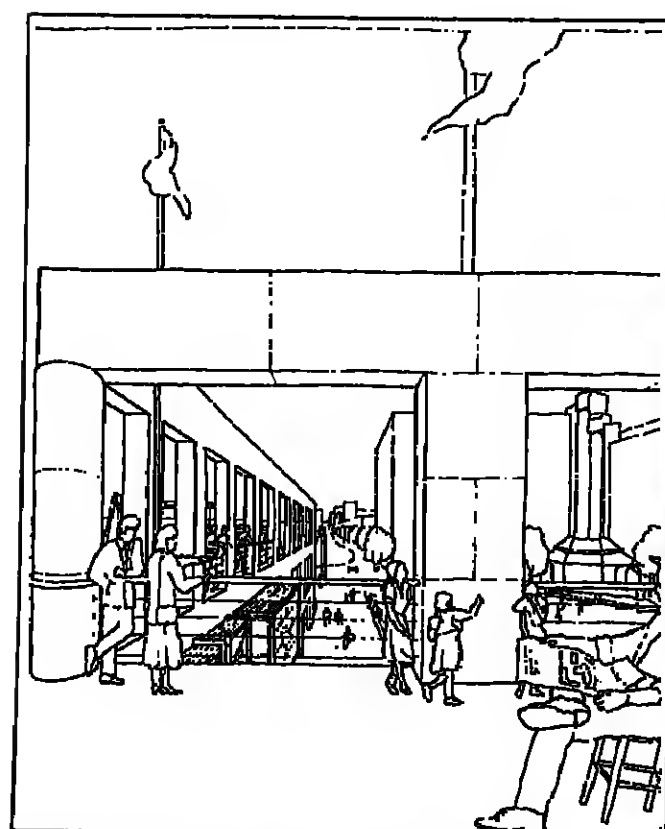
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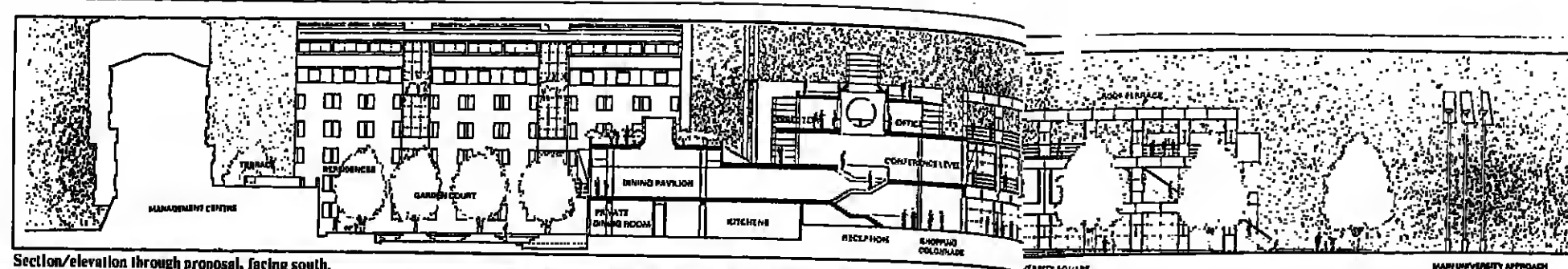
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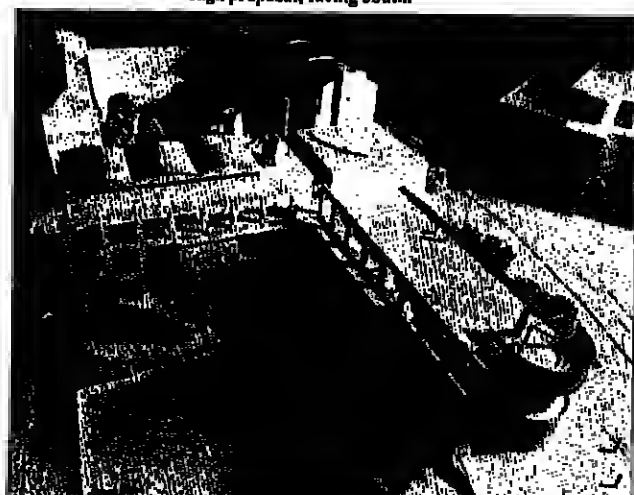
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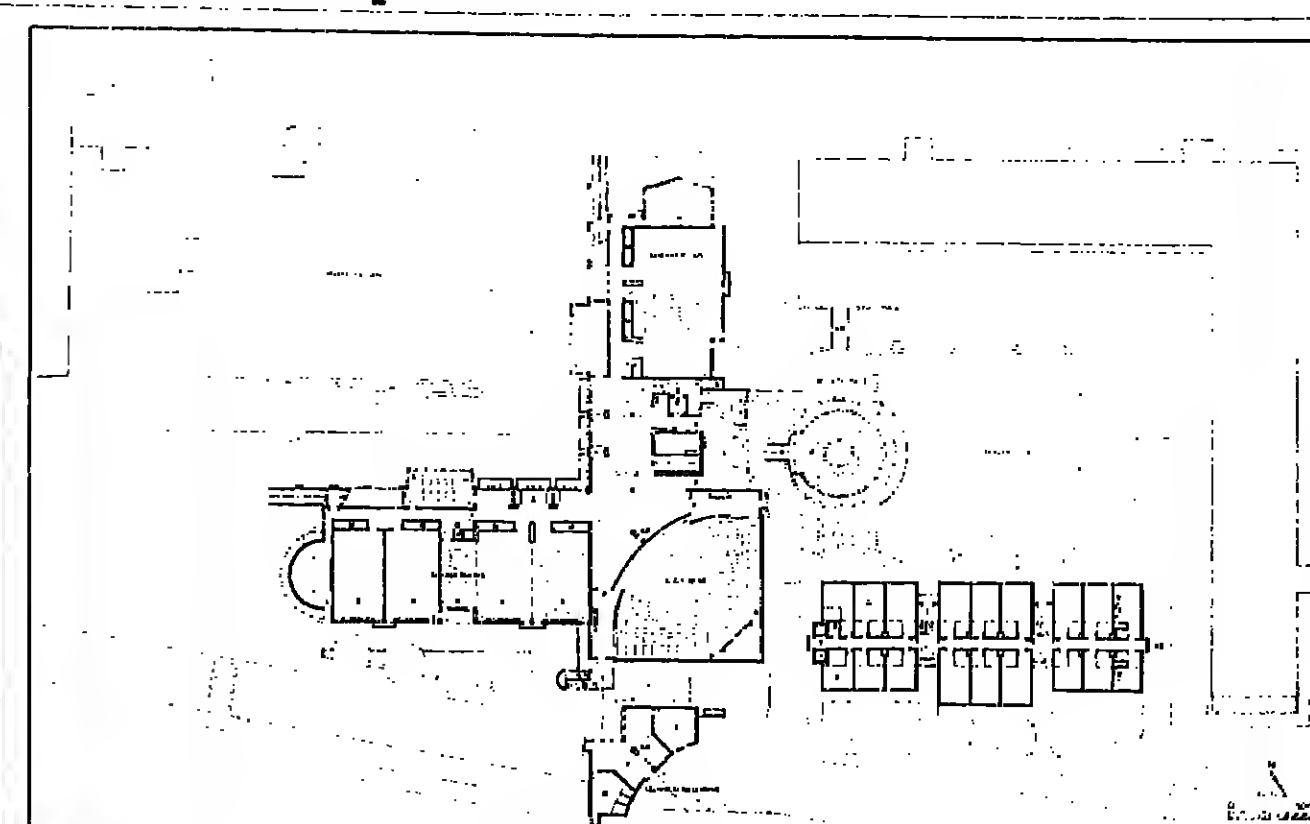
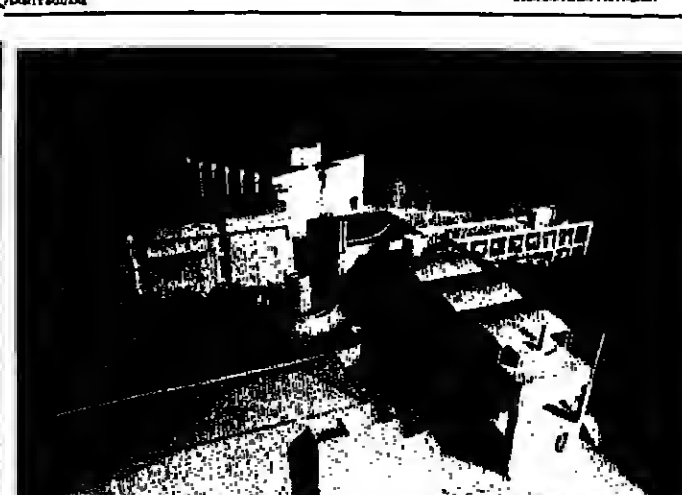
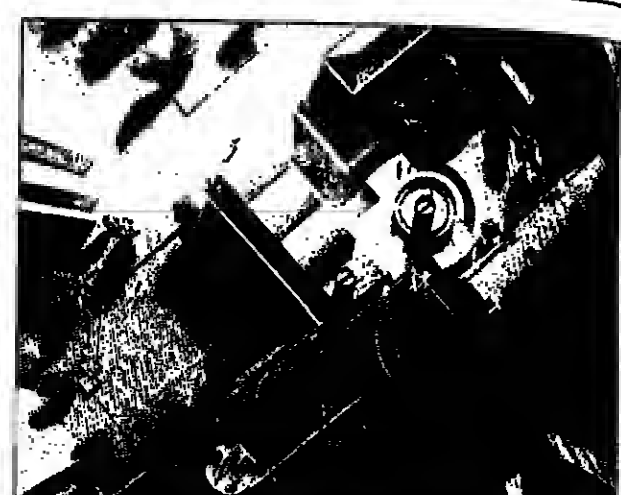
Perspective view from the screen wall across the university square.



Section/elevation through proposal, facing south.

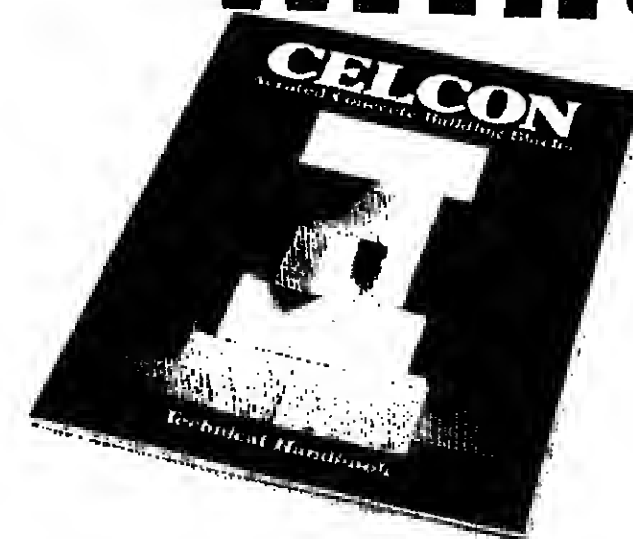


Above left: model view from the north west across the University Square. Centre: overhead model view showing courtyard arrangement and right: model view from the north east, from over Gosta Green.



First floor plan.

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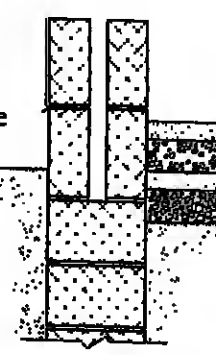
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Munkenbeck & Marshall (Third)

THE university's concept is to create a new heart for the Aston. The centre of gravity of the evolving triangular area happened to be a transverse car route. This is being replaced by a more appropriate which will become the University Square at the centre of the Triangle, heralded by the new lift tower entry to the main building on the one side, and the new conference centre on the other. There is a certain irony in the fact that this central component heart does not house a function traditionally associated with curriculum. The goal of this design was to create a building which exploit this irony. The question posed is whether an apparently "heart" can produce even better performance than would the conventional academic variety.

The form of the building is conceived to enclose and create outdoor urban spaces while accommodating the particular requirements of the conference centre. It achieves this by using a consciously low elevation to the University Square which not only acts as a screen to reinforce the importance of the square but also functions as a screen to reveal the activities within the centre. The intrusion of the outdoors onto the campus will be selectively exposed through the ordering of the formal elevation to intrigue the students and motivate them to their own futures.

Having created the intrigue, the building becomes highly accessible to those who wish to see more. Students may watch manufacturing conference activities on the roof as well as on the elevation. They are plainly visible from the main academic buildings lift towers and reached by walking directly up the escape stairs from the square.

External Walls

Stone: Portland stone cladding limited to front screen only fixed in situ frame.

Brick: Simple cavity brickwork to most walls not facing University Square. Colour and type chosen to harmonise with surrounding buildings. Small areas of render to articulate some areas.

Curtain wall: Zones adjacent to screen wall and between residences are articulated as part glazed, part clad walling. Cladding and glazing bars are anodised aluminium.

Steel details: Balconies, balustrades and other bolt-ons are stove enamelled steel.

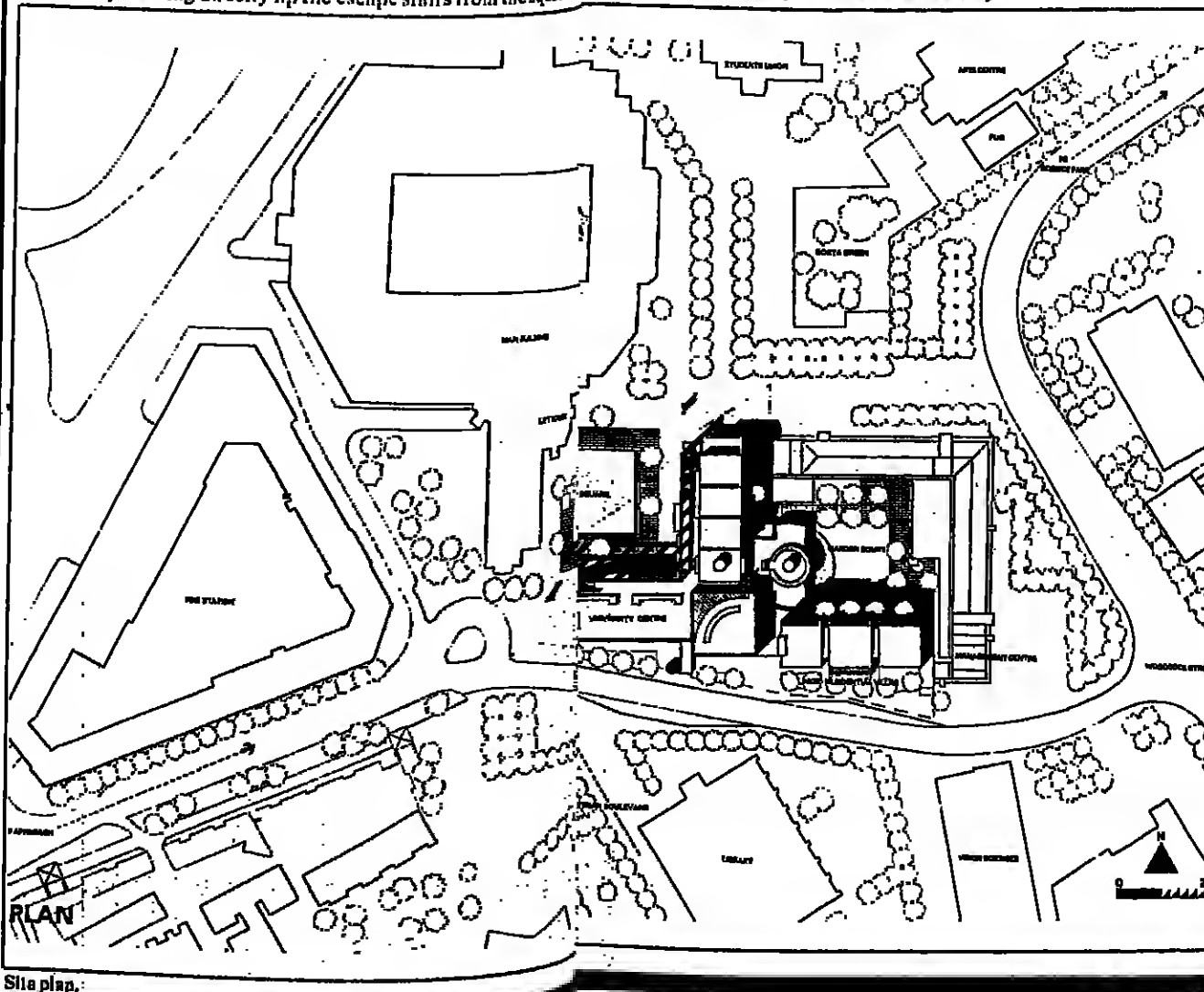
Translucent glass: Seminar rooms within the front elevation have translucent, glazed panels for projection screens which transmit through to the square.

Roofs

Terraces: Inverted roof construction with concrete and stone slabs to restrain insulation.

Vaults: Covered in zinc or similar metal sheet roofing.

Architects: Munkenbeck & Marshall. Design team: Alfred Munkenbeck, Stephen Marshall, Jonathan McDowell. Structural engineers: Martin Manning (Ove Arup & Partners). Quantity surveyors: Nick Davis (Davis, Bellfield & Everest). Services engineers: Max Fardham (Max Fardham & Partners).



Site plan.

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WAITING IN THE WINGS

While London decided it didn't want a posthumous monument to Mies van der Rohe at Mies van der Rohe House, Essen in Germany is shortly due to complete its theatre designed by Alvar Aalto 27 years ago. Brian Walters reports.

ALVAR Aalto won the first prize in the competition to design an opera house for the German city of Essen in 1959. Detailed design continued until 1964, when the project was shelved due to lack of funds.

The city was 80 per cent destroyed during the Second World War and difficulties in its reconstruction have been compounded by the fact that it lies on ground riddled by 26 coal mines. Clearly, the rebuilding work took priority over the construction of the theatre and it remained shelved for many years.

One by one the mines have been closed in the face of competition from cheap imports and as a consequence the whole character of the city has changed.

Not surprisingly, skyscrapers are rare but the city has been innovative in several ways, not least in becoming the first in Germany to plan an extensive

pedestrian area at its heart. The fifth largest city in West Germany, Essen has been chosen as the site for the headquarters of several major commercial and public enterprises.

In 1969, the city council decided to revive the Aalto design, but as a musictheatre, mounting operas, operettas, plays and concerts, rather than as a dedicated opera house. But following the death of the Finnish architect in 1976 and his Essen liaison architect, Horst Loy, the project was halted once more.

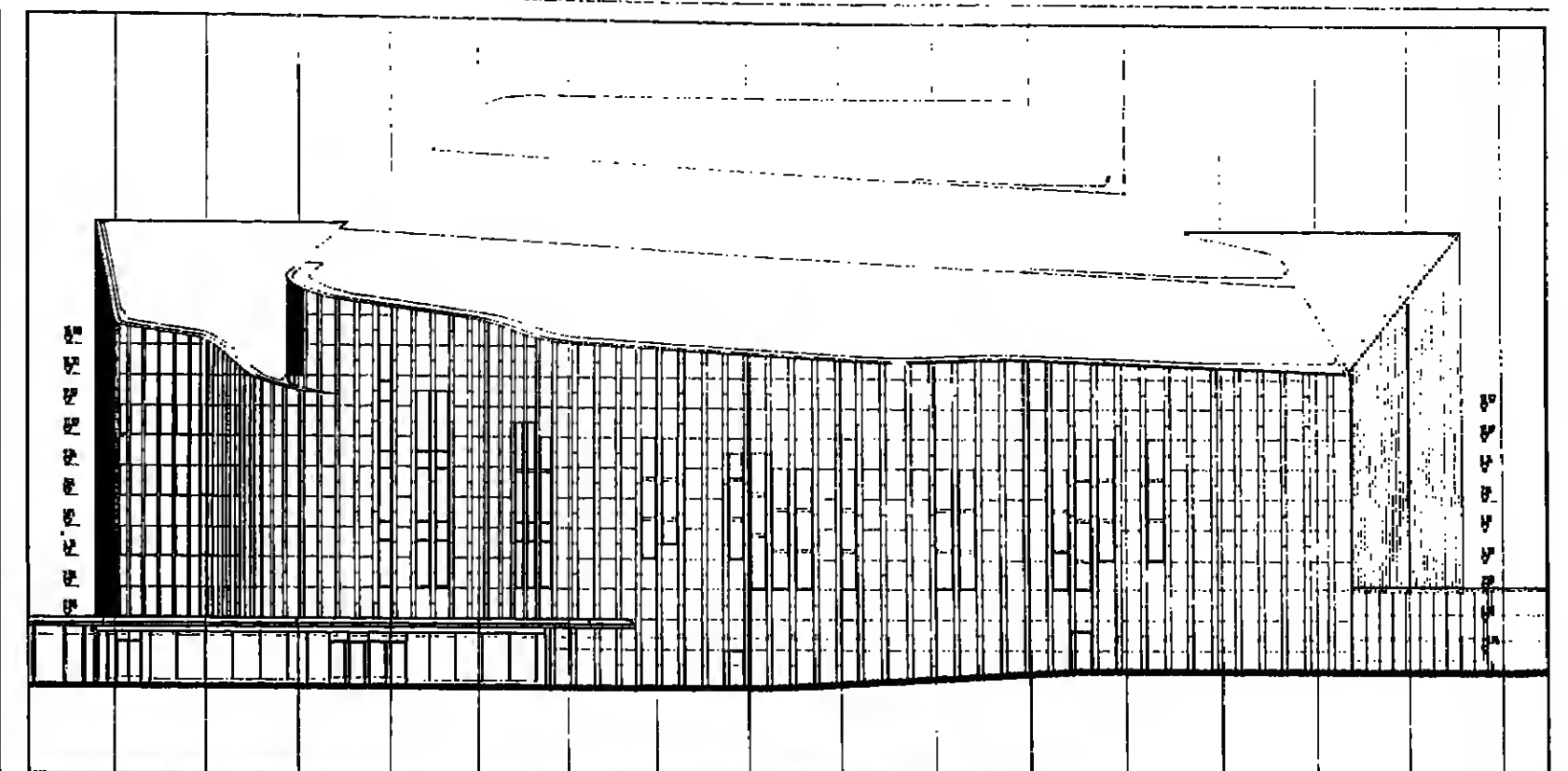
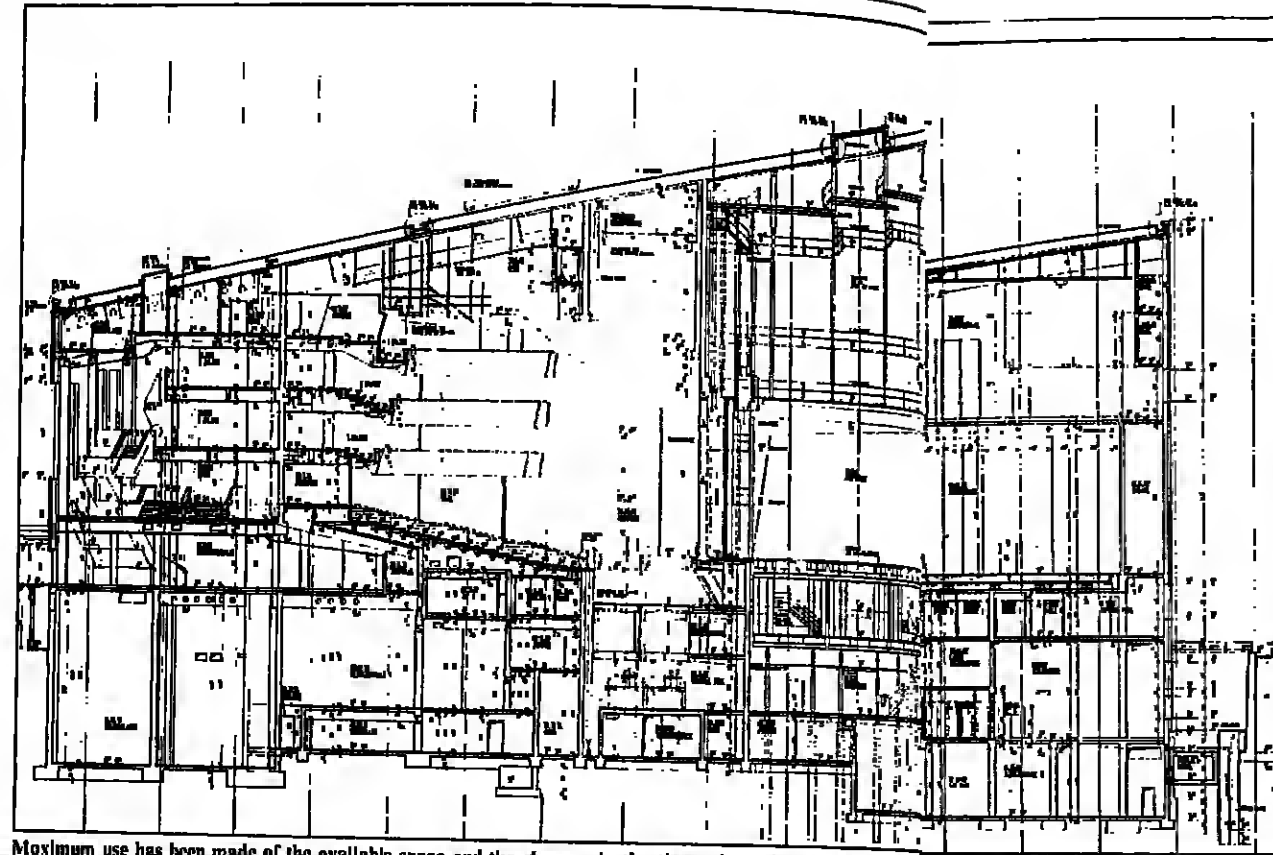
However, the need which had been identified in 1959 remained and in 1981 the project was revived once again, with Düsseldorf-based architect Professor Harald Deilmann being given the task of putting Aalto's plans into effect. In this, he was assisted by the architect's widow, Elissa Aalto, who was commissioned to help interpret the complete design. A qualified architect in her own right, Mme Aalto has been particularly

concerned with the design and planning of the furniture for the theatre.

Although the building is to be a multi-purpose theatre rather than an opera house, the guiding principle of the design team has been the accurate application of Alvar Aalto's original concept. At the same time, the sensitivity of the site—in parkland near the centre of the city—has been appreciated.

The use of a grey granite

Maximum use has been made of the available space and the changes in the theatre's use have been accommodated fully.



The west elevation of the building best conveys the irregular shape of the theatre.



The current wave of new investment in the British High Street is bringing with it a new stimulus to the sign making art. As new store chains work to establish their own clear identity across all aspects of their business from merchandise to shop fitting, designers are seeking ways to reflect this personality in the external signs of the store.

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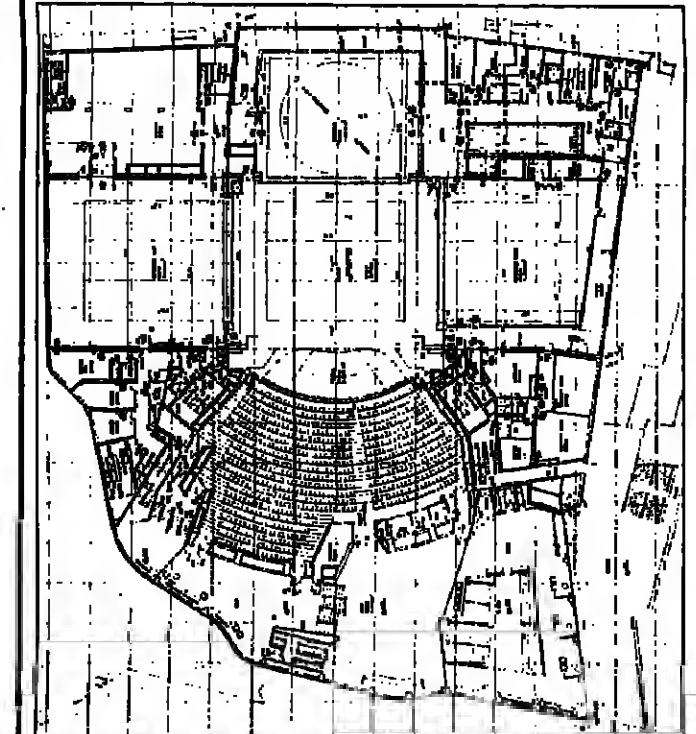
facade, white marble flooring in the foyer, white and dark blue interior wall tiles, together with white stucco ringbeams, have helped to provide a sympathetic foil to the natural surroundings of the new Theatre Essen.

There are 11 floor levels in the building and many of the rooms have been allocated to such uses as wardrobe/clothes store, workshop, archives. Due to the alterations in the use of the building, some detailed changes, such as the inclusion of ballet and choir rehearsal rooms,

have in the event been necessary.

However, the present architects have been surprised at the ease with which they have been able to apply the original design; changes that have been introduced were designed to lead to simplification in the interests of achieving lower costs.

The Theatre Essen is now largely complete and is to be opened next year — 27 years after the design was originally accepted, and surely the last of Alvar Aalto's projects to be completed.

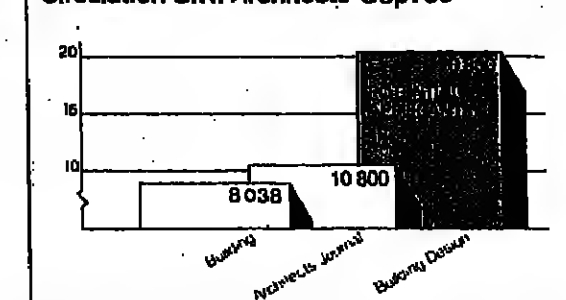


Few alterations to the original design were needed.

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SOFT OPTION

Landscape architect David Jarvis describes the computer software commissioned by his practice to save time on visual impact assessments.



Perspective view generated as seen from 12 km.

VARIATIONS of "Will I see it from my house?" are usually the first questions from members of the public when faced with a new development proposal.

They ask these questions after a quick flick through the plans and elevations, a pause in front of the glossy perspective and after they have hovered, trying to find their Monopoly-sized house on the landscape model. To answer these questions it is necessary either to have executed hundreds of thousands of sections or have the facility to execute them rapidly at the time the question is asked; it is also desirable to produce rapid perspectives at the same time.

Do the planner and architect know themselves what their proposal will look like from this house, or indeed, from the other thousand houses in the area? — or from the footpaths, roads, motorways? Do they know what it will look like from these viewpoints in five years time when vegetation will have grown or phase three will have been built or the quarry face will have moved 100 metres?

How useful would it be if the planner or architect could move the structure 100 metres to the west or sink it another three metres or rearrange the car parking layout and then "instantly" be aware of where in the surrounding 20 or 30 kilometres the proposal could be seen? How useful would it then be to "instantly" create selected perspectives from viewpoints within this surrounding countryside to assess the visual quality and/or intrusion? It would also be useful to have "instant" volumetric calculations so that the cut and fill implications of a design change are available as well.

With ever-increasing environmental awareness and the concomitant growth in national government and EEC legislation and EIA directives, the demand for comprehensive visual impact assessment also grows, putting further pressure on the planner and architect to provide this service.

It was to cope with this increased demand and to raise the zone of visual influence (ZVI) plan and perspective to a design tool and not just a final presentation technique, that our practice commissioned computer software. It was intended to have two further advantages; first, the computer would remove the ever-increasing time spent on purely manual, quantitative tasks (volume calculations/visibility sections/setting up perspectives/area/measurements/slope analysis etc) and release them for qualitative decision making; secondly, the quality and quantity of available visual, volumetric etc information should lead to better planning and design solutions.

The latter has a spin-off at the public consultation/public inquiry stage, where the "instantly" generated perspective allows the parties to discuss the positive and negative merits of a view without wasting time arguing on what is the view and whether the proposal could be seen or not.

The programme has three stages for both programmes to create a three-dimensional model in the computer of the 20 or 30 kilometres of surrounding area. This can either be digitised from Ordnance Survey maps and company surveys or, ultimately, aerial survey information transferred directly by disc. Surface features such as woodland, buildings and walls are colour and symbol coded. The computer forms a model and produces a contour plan to any scale so that this can be checked against the base information.

All information is put into the

computer at the most efficient scale. For example, the 20 or 30 kilometre zone may be put in at 1:10,000 scale, a prominent viewpoint at 1:2,500, the site area at 1:1,250 and the proposed buildings at 1:200.

A master disc is kept from which copies can be made. Into these copies can be added alternative proposals or alternative arrangements or proposals. All or any part of a building/structure/motorway/quarry etc can be "tagged" so that the totality or specific part of the proposal can be analysed for its visual impact. Areas from which car parking could be seen or from which the roofscape or even clockface on a clocktower could be seen are easily tested.

The proposal or part of the proposal can be tested on a "bald" landscape or with relevant surface features added. Running the test on a "bald" landscape is useful in that it gives the worst possible case. A viewpoint from which a proposal cannot be seen across a bald landscape will never have a view of the proposal even if every tree/wall/hedge/building is razed to the ground.

A choice now has to be made between asking for a single specific visual study from one viewpoint or a wider analysis from all viewpoints on a defined grid. Typically a 200 grid is used initially and the computer analyses sections through the proposal from every viewpoint on the grid. This could be one section from each viewpoint to test who can see the top of a flagpole to 20 plus sections from each viewpoint to test for a complex roof layout. The results are displayed as illustrated here; crosses represent no intervisibility and numbers represent the number of sections that registered intervisibility from those viewpoints. This first grid study has simply established those areas from which the proposal or specified part of the proposal could or could not be seen, by checking hundreds of thousands of sections.

The very rapid one-point study allows individual house, picnic areas, footpaths, bridges etc to be selected on a specific test of intervisibility run. But this time those sections registering intervisibility are identified by radiating connecting lines so that it is known which parts of the proposal can be seen. This may show, for instance, that the broad areas established in the grid test as having a view of the proposal are, in fact, only seeing one building of a group or one length of a wall. These sections are then displayed in elevation on the screen so that, for example, the height of wall which is visible can be established. This is to check whether the viewer would get a mere glimpse of a wall or would see the whole expanse.

In both the grid ZVIs and the one-point studies, the computer

asks that the height of viewpoint be selected so views can be checked from bridges, bedroom windows, moving traffic etc. If no height is selected, then the computer defaults to "eye-level".

Having established who can

see the proposal or part of the proposal from where, we are now able to establish what they will see from where. The major feature of this programme is that any viewpoint in the 20 or 30 kilometre zone can be selected and a simple line perspective of

the proposal in its setting created. For example, a house is identified as the viewpoint using the cursor on the map on the A0 electronic drawing board and the bedroom window height is entered. The "proposal" is identified

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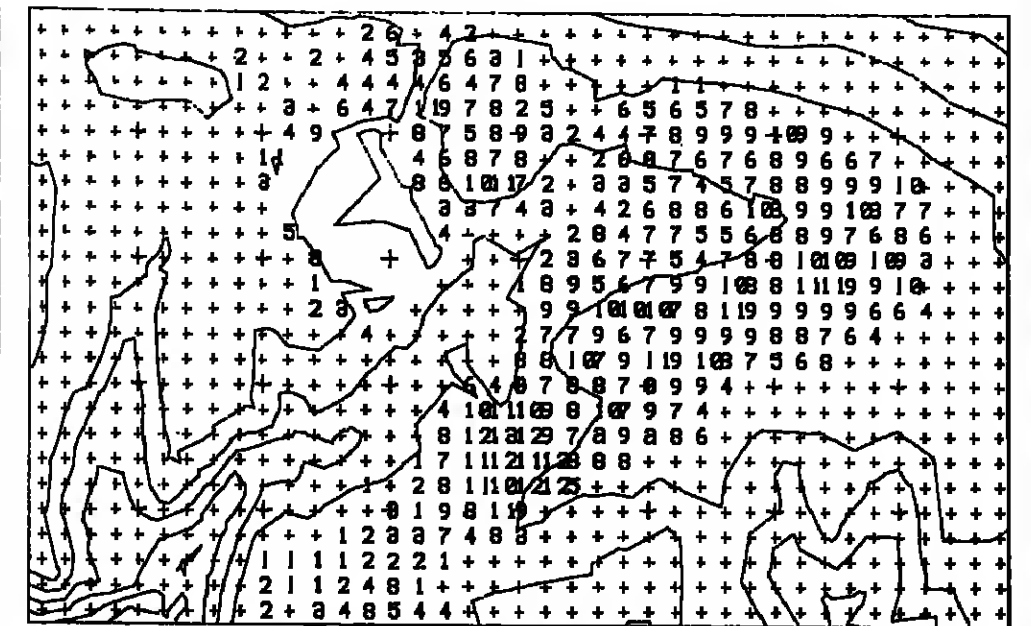
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Computers



Zones of visual influence plans; crosses represent no intervisibility and numbers represent the number of sections that registered intervisibility from those viewpoints.

using the cursor in the same way as for establishing the viewpoint of the perspective. The perspective is corrected for curvature of the earth and light refraction and offers any field of view so that the perspective may be

readily matched to photographs for montage and to camera lens information.

The computer can be used to create a series of perspectives of the proposal along an approach route (by repeating the technique already described). This allows, for example, the creation of a perspective out of the side window of a car on the motorway, or the oblique view from the motorway feeder road. These programmes are not intended to repeat what is already excellently covered in architectural software but rather to deal with the building in its setting as viewed all the way out to visual infinity.

There are two other facilities within the software with a third currently being written.

● Volume Calculations: top and bottom of geological strata can also be digitised as well as the surface contours. Instant volumes can be calculated of any strata/combination of strata. This provides topsoil/subsoil volume calculations as well as cut and fill for site groundworks.

● Slope Analysis: up to six ranges of slope (eg 5 per cent to 10 per cent) can be defined and given a colour code. The computer will then examine the whole 20 or 30 kilometre area analysing the slopes into the correct ranges and colours. This is particularly useful when it is necessary to tie proposals into the surrounding landscape or where certain agricultural uses or transport gradients require specific slope limitations.

● Slope Mapping: (currently being written). This programme will allow sub surface, surface, land use, land designation etc

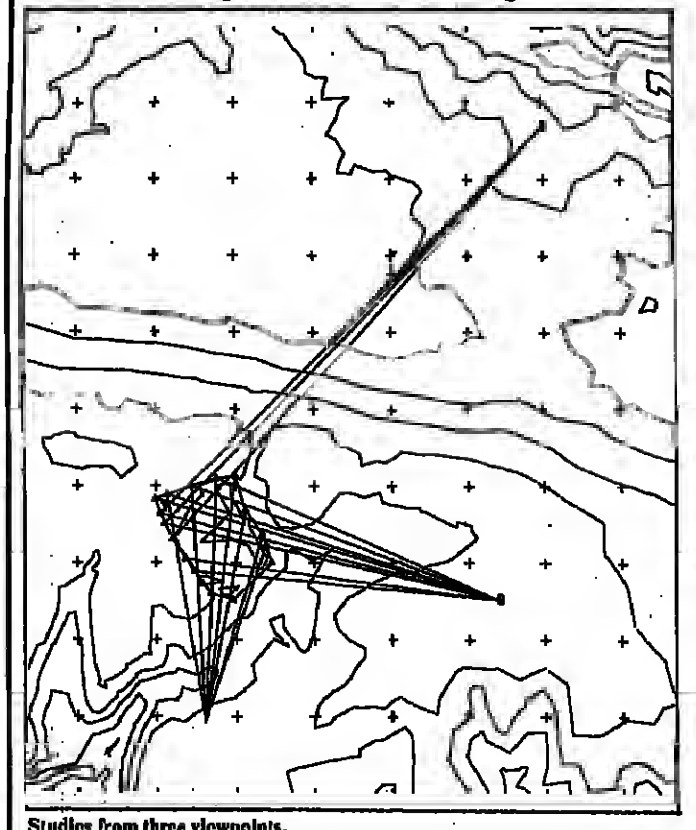
information up to a county in size to be digitised. Any combination of factors can be sieved mapped and quantified (together with the interface length measured).

The system has now been used on projects as diverse as industrial parks, hotels, government buildings, motorways and quarries. The test areas have ranged upwards to 625 square kilometres of complex Scottish landscape. The clients have included government bodies, national companies, landscape practices and architectural practices.

Many local authorities have now had experience of this level of appraisal and computer generated ZVI plans and perspectives may well become an expected part of any major planning application. Similarly, a computer and large screen may become standard equipment of public enquiries, this would enable a perspective from any house or road to be established automatically.

Computers which produce this visual/volumetric/slope/overlay information are not usurping the role of the designer. We could all sit down and check 500,000 plus sections by hand but why waste a year when they can be produced in a week, giving the planner and designer more information and more time to plan and design.

David Jarvis Associates are a Swindon-based landscape practice specialising in major industrial, commercial, national infrastructure and mineral extraction planning and design throughout the United Kingdom.



Studies from three viewpoints.

Telford

Paul Cooper examines the urban potentiel of Telford New Town.

More poignantly, one recalls a visit to Washington New Town in County Durham, searchingly dismissed by a conchiload of Latin American architects whose unanswerable question

Yet, we are hard-pressed to find these ingredients in new towns at the sustained level which makes our favourite

There has also been the problem of developing cohesively and economically in a

that might have been grasped by some farsighted committee or chairman of turning Telford into Britain's alternative-energy new town, appropriately exploiting the town's

How much more original, too, would have been timber buildings wrapped in woodland as an answer to the ground settlement problems of reclaimed land at Old Park, bordering the new town centre. Here could have been Telford's timber quarter, complying in

on a site range site perched uncom-
fortably half out of the Randley
Valley, Telford's mid-of-town
shipping centre in the middle of
a town, as it was since blithely
described, now receives wide-
spread admiration. Such is the
topographical interest, so rich
the vegetation cover in this
birthplace of industry that it was
impossible not to get it right in
the end, although the legacy of
the original master plan persists

It is curious, also, that in spite of a major town-centre design competition in 1975, implementation of those proposals has never seemed entirely committed, and development has continued in seemingly small bursts of fitful, ad-hoc growth. The absence of strong convictions about Telford's urban form

remains a major problem for the realisation of sustained excellence, although there are good examples of visual and spatial diversity in the incremental expansion which has occurred so far.

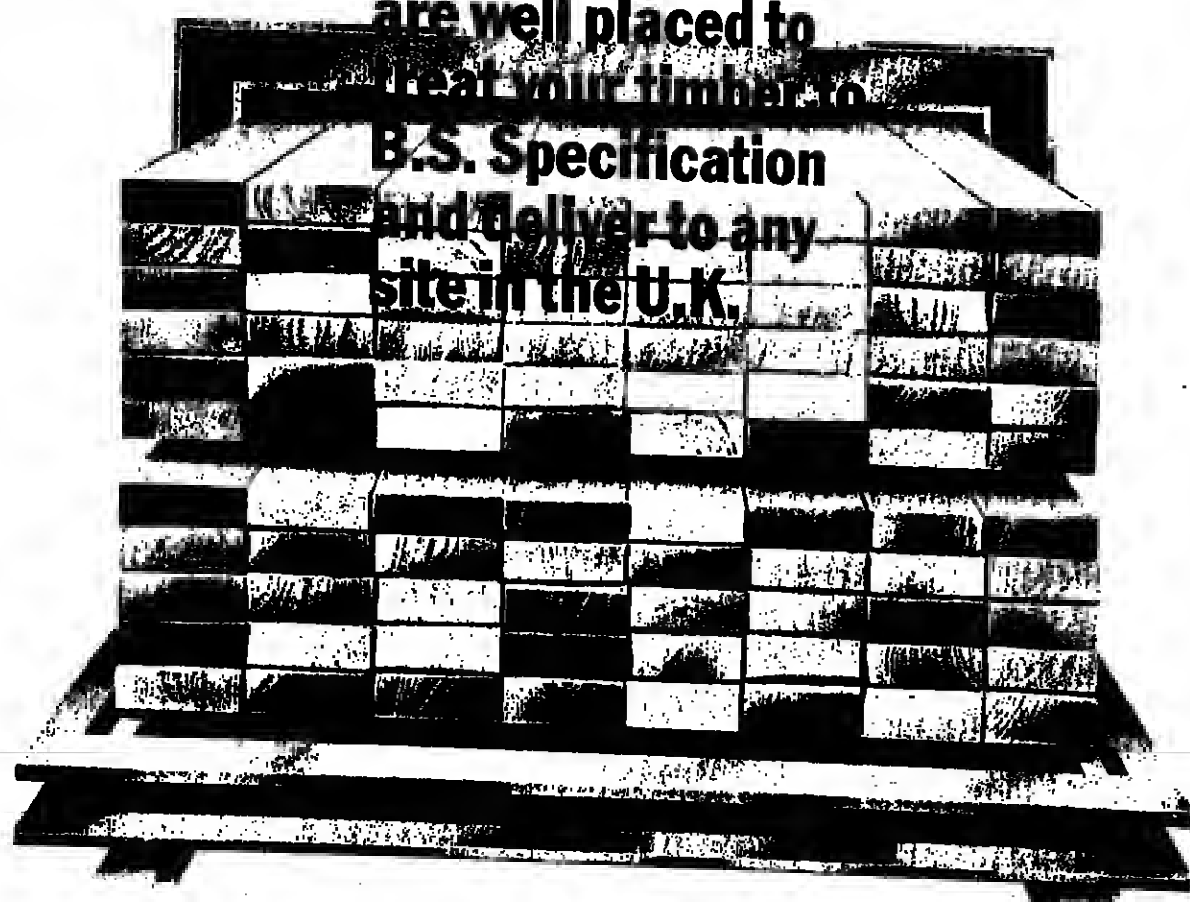
For a long time Telford suffered at the sharp end of the recession in the West Midlands. In recent years the town has benefited from a policy of hard-hitting promotion in attracting

The covered mulls which echo in these household names are restrained, spacious and sometimes elegant. You can find your way round easily and there is a lot to be said for that.

Vital connections have been forged with residential areas. A

continued page 36

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The Business Park — beginning to get the consistency of a London Square.

One way to build a reputation

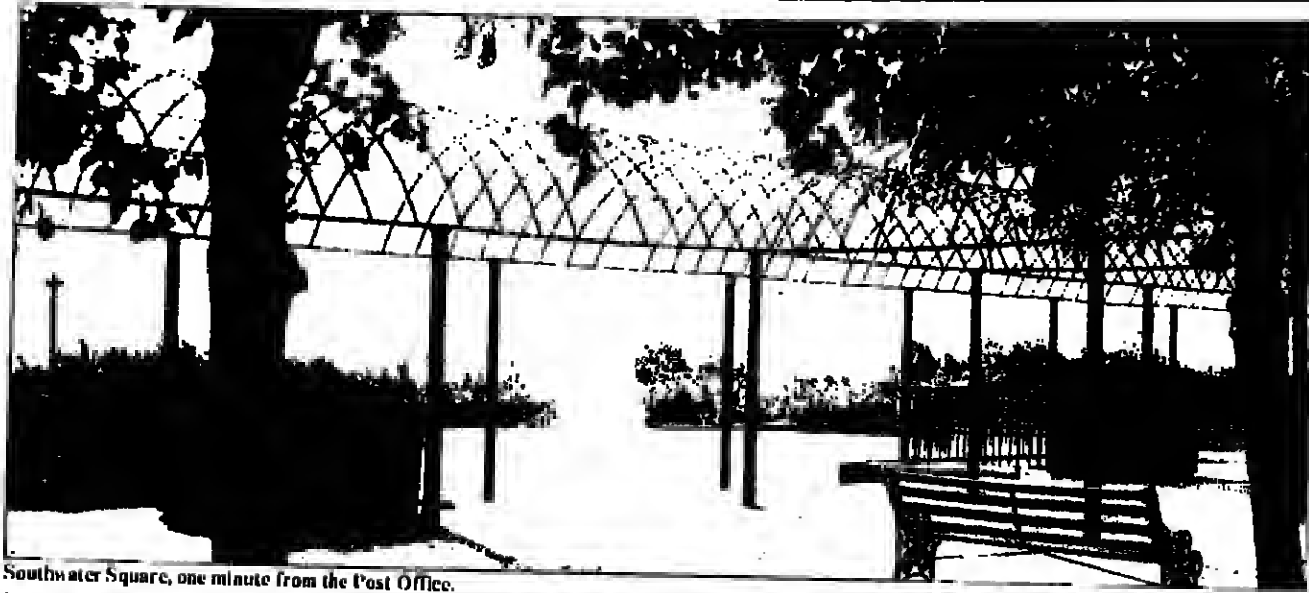
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Southwater Square, one minute from the Post Office.

Late developer

from page 29
new bus station shows off, exuberant in bright colours and confident about its robust use of materials. The M54, dreamed of for so long, is important in the town's developing prosperity. Even more unusual is that rarest of rarities, a new town centre station, which was opened by Lord Murray earlier this year, while a 100-bed hotel shows that Telford really means business.

Among the remaining isolated and appended town centre buildings, basic urban quality is being realised at last. The simple matter of a square, which eluded the town centre for so long, has been achieved in Central Square where a curtain of water thrills the ear and cools wilting shoppers on a hot day.

Central Telford's greatest asset, however, is the unique relationship of buildings and parks, for it is possible to step out of the Post Office and in one minute be strolling in Southwater Square, at the gateway to the urban park. In these meet-

ings and minglings of buildings and landscape dwell the spirit of contemporary Telford and its hopes for the future.

Along these interfaces are endless possibilities for magnificent statements of landscape and architecture like that already achieved here at Southwater Square, a space of great order and integrity with elegant Black Alders and romantic metal pergolas.

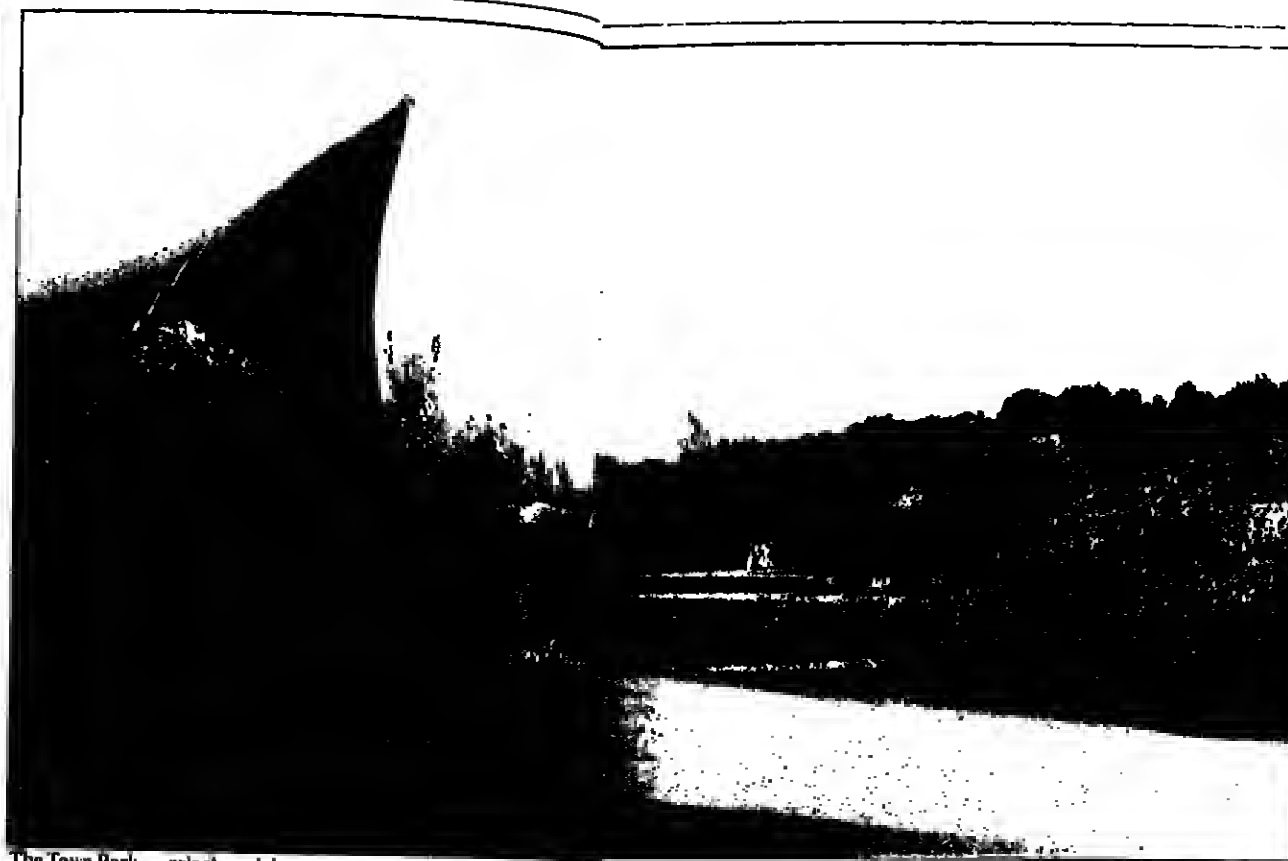
Tilting the floor backwards has dramatised the park approach by half concealing it, a fine townscape technique. The tension is irresistible and expectations are satisfied by a spuming geyser frothing into a new lake.

A flight of steps takes you directly into the 450-acre park fashioned from old pit mounds, canals, reservoirs, cart tracks and run-down pasture. There is a large play area dominated by a giant space net, and a rich knot of award-winning pleasure gardens — as good a piece of park as you will find anywhere.

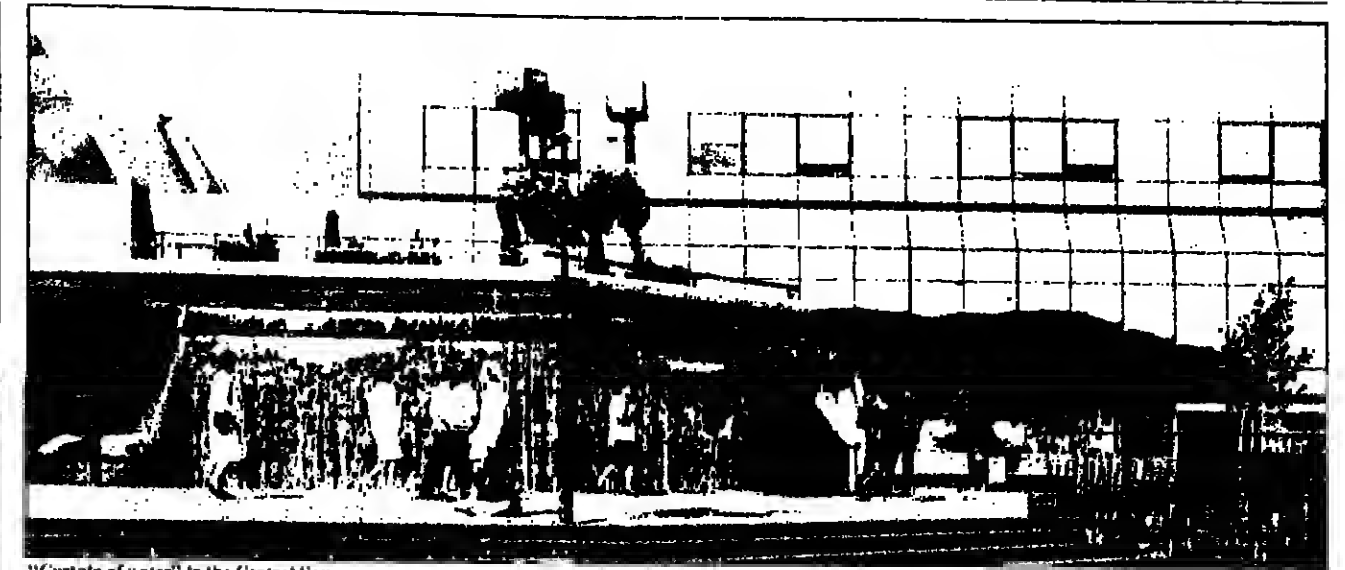
Beyond there are priceless

riches: endless walks amid dense woodland and rich wildlife; several lakes; esplanades; a children's wonderland of fairy-tale houses in a dreamy dell watched over by the Wrekin Giant high over the tree-tops; an open-air lakeside amphitheatre; an arena geared up to a very full programme of events of which the Telford Show attracts most

sub-regional fame; and there are indoor tennis courts, ice-rink and a garden centre. All this was to have been linked, in garden festival style, by a narrow-gauge railway, a project now mysteriously shelved. The only shadow over this happy piece of town centre landscape is a rumour of housing development in the park which must surely be just a



The Town Park — priceless riches.



"Curtain of water" in the Central Square.

had joke.

The town park's counterpart to the north of the town centre and close to the M54 is the Telford Business Park, where buildings and trees create the feeling of being in a town which cares about fine living. Here the construction of sculptural earth ramparts has strongly defined the edge of the town centre,

although more trees are needed to increase the scale and to establish places which draw office workers for a break or lunch-time chat. Nevertheless "The Ramparts", as they are known locally, successfully illustrate one of Kevin Lynch's key imbalances, described at length in his famous book *The Image of the City*.

Contained by this remarkable earthwork, there are places among the buildings where the feel of the town has really taken hold. The vertical scale is strong and reassuring that Telford intends to become a real town, not some contemporary drawing board apology for urban living. Trees are important in structuring the spaces and do so with the conviction of a London Square or a Paris boulevard. With this kind of positive environmental engineering someone at Telford should seize the chance of linking Business Park and Town Park around the edge of the town centre through leafy avenues, places to wander in broken light or to sit in sun or shade.

Telford has for long seemed immature — a late developer. Now it has entered a period of increasing prosperity, grace and elegance. The recent promotion of Telford's commercial director to the position of general manager suggests that hard-headed commercial policies will be applied, but these must be paralleled by a commitment to excellence in urban design.

The town still needs more

substantial, finely proportioned buildings with a growing richness of detail and articulation embodied in things like promenades, courtyard gardens, arcades, dramatic staircases, intriguing passages, carefully contrived views, galleries, balconies, authentic and integral ornament, walls of green climbers, pools of shade and light. If Telford is looking for specific projects there is still time to transform the ring road into four grand avenues, and it is encouraging to hear that at least one of the surface car parks will shortly be built over.

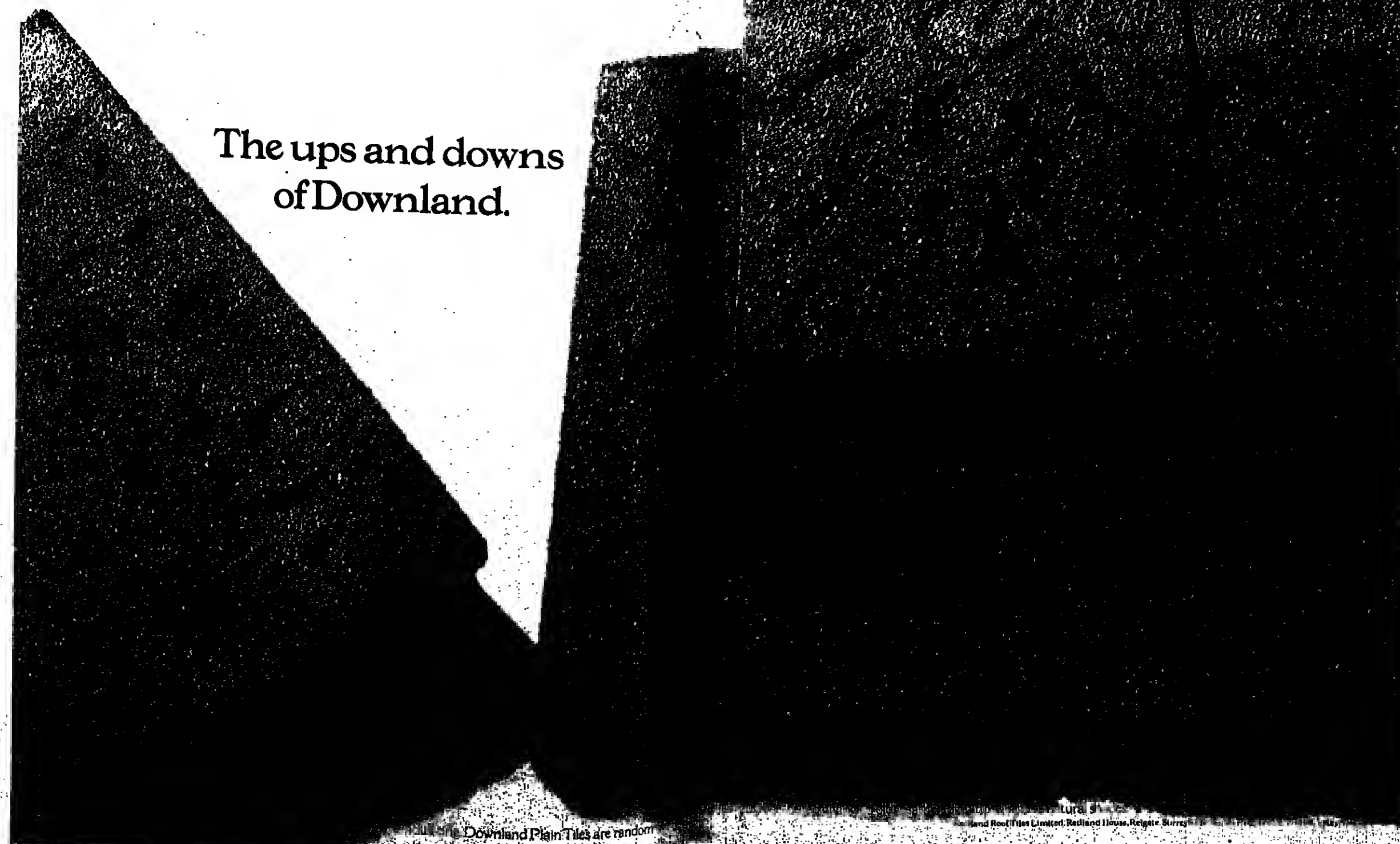
The remaining years of Telford's life as a new town corporation could be used simply to build the sleekest centre of retailing and commerce in Shropshire, in which case the town will be no different from its contemporaries. If, however, the remaining tasks of town building are tackled with the conviction that good design matters and that there is a spiritual as well as a material dimension to urban development, then Telford still could be the best green field new town ever.



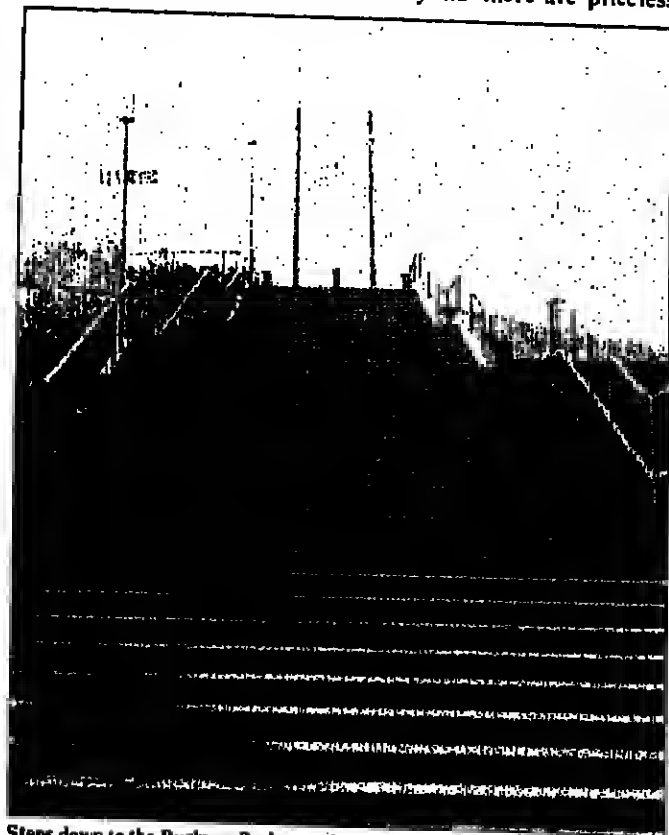
The town has acres of car parks.



Part of the town centre ring road — a chance to make a grand avenue.



The ups and downs of Downland.



Steps down to the Business Park — a dramatic piece of townscape.



The new Telford Central Station.

New Products

Compiled by Harold Hudson

Waterproofing plan makes advances

BOOTH Engineering Services, the company which has the exclusive UK distribution rights for the LIS Volelay system of waterproofing, has announced that the BBA has awarded the system a certificate in compliance with the new Building Regulations.

Volelay is something quite special in the below-ground waterproofing world — a ranking medium which is not based on the application of brushed or spread waterproofing membranes. Instead, Volelay is a panel product made up of a core of naturally occurring minerals — sodium bentonite — between bio-degradable sheets. This is used to line the outside of the below-ground structure and once in contact with ground moisture the bentonite swells up to 15 times its dry volume. If the Volelay panels are restrained between the wall or floor of the basement and compacted backfill or sub-soil, its swelling is confined to form a viscous mastic which is impervious to water and water vapour.

The system also includes hydrobar tubes for pinning against junctions in otherwise watertight

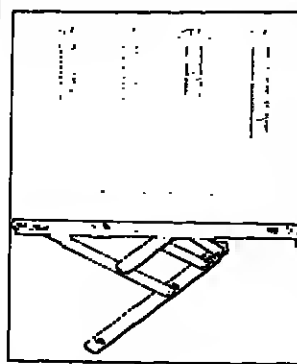
structures. Additional benefits of the Volelay products include ease of installation and the ability to install Volelay tanking in wet weather.

Booth reports that specifiers were cautious at first, but the system is now starting to catch on. The unfamiliarity of the system was sufficient to ensure a degree of caution but with the BBA certificate it is looking forward to increasing acceptance.

Harold Hudson

Enter 100 ON EXPRESS ENQUIRY CARD

Window screws

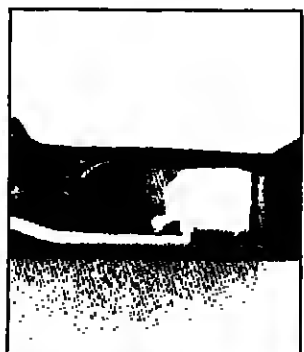


TO minimise problems with upvc windows when incorrect or poorly designed screws are used to fix the hinges, the Buildex division of ITW has introduced two new Tek self-drilling fasteners. One has a Hi-Hi thread for use with pvc or metal reinforcement when up to 3mm thick. Where the reinforcement is thicker (up to 3.5mm) a new faster with an M4 thread form is now available.

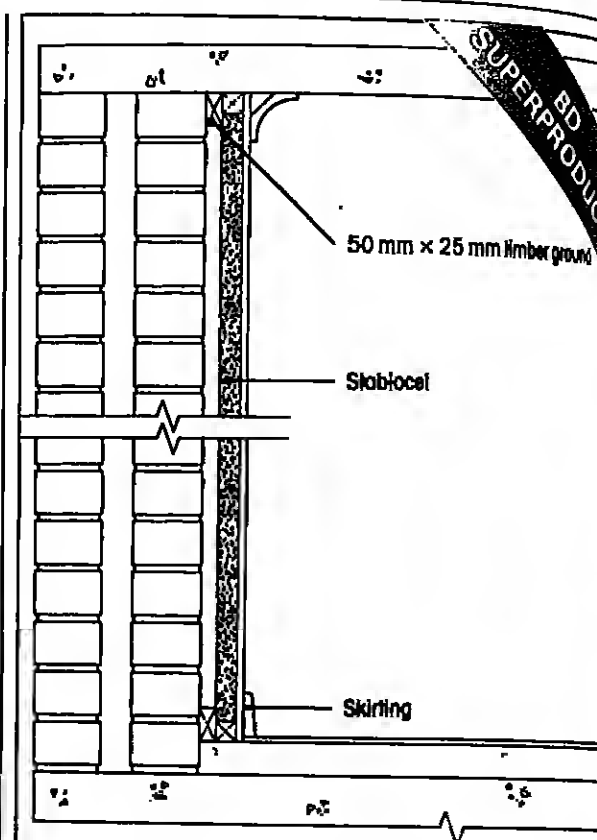
Enter 101 ON EXPRESS ENQUIRY CARD

Float valve

At last there is a replacement for the ballcock, which had its origins in the last century. After three years of extensive testing, Keraflor has come up with a float valve which incorporates two ceramic discs. This device will give excellent performance for a long life. It has no sealings to wear and is maintenance-free. Other benefits include positive shut-off, no water hammer and fast and quiet filling.



Enter 102 ON EXPRESS ENQUIRY CARD



PHENOLIC INSULANT

VENCEL Resil has announced the introduction of Skiblocel, a phenolic foam, multi-purpose thermal insulation board with virtually the same fire safety performance as non-combustible thermal insulants. In the event of fire, the phenolic foam degrades, but it only chars and smoulders with a low smoke emission. It has a class 0 internal fire spread and a class 1 surface spread of flame. The phenolic foam is integrally bonded to non-woven glass tissue facings and is supplied in thicknesses from 20 to 50mm and in 1,200mm wide lengths of

450, 600, 1,200, 2,400 and 2,438mm. Skiblocel Insulated Dry Linings also available. This consists of a laminate of various thicknesses of Skiblocel insulation to 5.5mm thick, ivory faced, tapered edge plasterboard. A vapour check can be provided between plasterboard and insulant.

Enter 103 ON EXPRESS ENQUIRY CARD

Ceramic tiles

CRISTAL's 85 collection from H & R Johnson includes a number of exciting new effects in ceramic wall tiles. One of these is Stripes — a bold diagonal design in a two-tone grey background. The stripes are in red or blue. Said to be subtle enough to be used on large spaces, the design possibilities it creates are legion. Both pattern and plain tiles are fired the same. The collection contains many new patterns in natural whites and greys, and the new fashion colour — peach.



Enter 104 ON EXPRESS ENQUIRY CARD

Air admittance

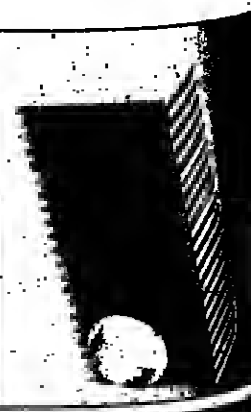


FOR use in domestic and commercial waste systems to prevent the syphoning of waste traps and without the release of foul air, a new 40mm air-admittance valve — the OsmaVent 40 — has been introduced by Wavin Building Products. Manufactured in ABS with an EPDM rubber diaphragm, the new valve is easy to install and push-fit over Osma Vent or Clear Bore 40mm waste pipes. It is corrosion resistant, maintenance free and has an insect guard.

Enter 105 ON EXPRESS ENQUIRY CARD

Light fitting

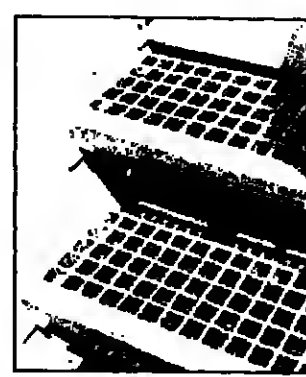
COMPLEMENTING its Linnea Halogen 200/300W fittings, C & R Lighting Systems has introduced the Sunset Dichroic lamp. For directional highlighting with a soft focus effect, the Sunset lamp carries its own integral transformer and has an aluminium housing. It is available in white, black, red and grey and can be adapted to a multi-or single-track system. It also can be surface mounted.



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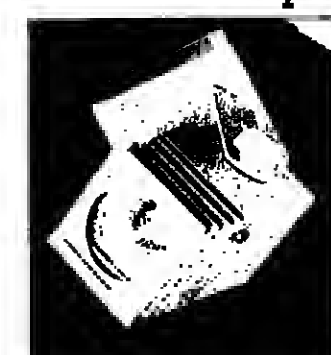
Walkways

WHEREVER corrosion resistance is a problem, the Allgrid glass-fibre reinforced polyester industrial walkway units offer long life at low cost. Closed top or open grid versions are available in standard, heavy duty and fire retardant versions. Allgrid panels are 2,744mm x 914mm, they weigh 12.7kg per m² and are non-magnetic and non-conductive.



Enter 107 ON EXPRESS ENQUIRY CARD

Cordless display

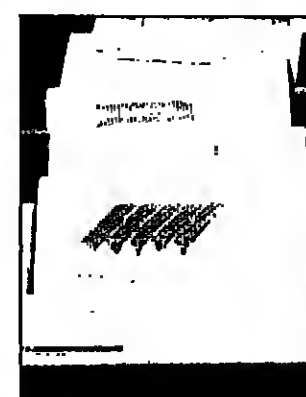


MOLE-RICHARDSON, among its many innovative products, has introduced the Capta range of cordless low-voltage spotlights. These have been designed for shop windows and display lighting. The fittings can be placed and repositioned anywhere on a simply prepared surface to provide multi-directional spotlighting with no trailing cables. The three small pins on the underside of the fittings make contact with a metal foil mat below the unit.

Enter 108 ON EXPRESS ENQUIRY CARD

Plotter/printer

AVAILABLE in the UK from sole agents, Environmental Equipment (Northern), the new Graphic MS603 Rastercoorder A3 size plotter/printer has a vast number of applications. It has a fixed thermal head and a mechanically driven pinch roller paper feed system for extremely quiet, high-speed operation in either plotter or printer mode. The head provides high-density plotting at eight dots per mm and at 10 times the speed of a conventional pen plotter.



Enter 109 ON EXPRESS ENQUIRY CARD

Grit storage

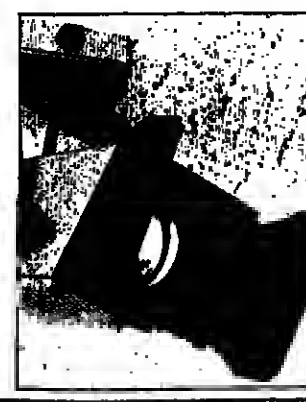


MANUFACTURED in weather-resistant material, Glasdon's grit/salt storage containers have a number of design advantages. They can be stacked up to six high for economical storage in summer months and transportation. They have a tough double-skinned lid and a knuckle and rod hinge with steel reinforcing bars to help resist vandals. There are two conveniently positioned forklift slots and lifting recesses.

Enter 110 ON EXPRESS ENQUIRY CARD

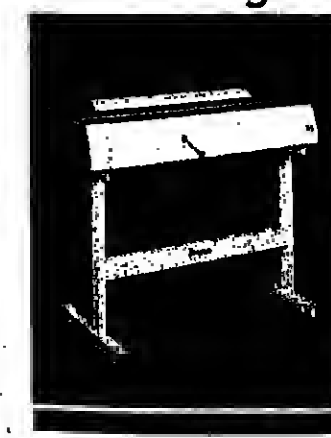
Accent lighting

HIGH intensity accent lighting is provided by the Mickey-Mole range from Mole-Richardson. The MM 85 CT was originally developed as a miniature stage spotlight. It is capable of a cool beam of light with a lumen output equivalent to a 300W conventional reflector when used with a 90W low-voltage lamp. It can also be used with 20, 50 or 75W spot or flood lamps and comes complete with beam doors and optional long-life dichroic glass diffusion and colour filters.



Enter 111 ON EXPRESS ENQUIRY CARD

Plan folding



TWO new plan folding machines have been introduced by Office Equipment (John Dale). The Piplan 1 is a manual machine, the Piplan 11 an electrically operated one. They will fold A0 drawings down to a width of 210mm in a matter of seconds, leaving a flap which would normally contain the drawing number, showing upwards. The machines are supplied complete with stands, but the machine can be operated on a table top.

Enter 112 ON EXPRESS ENQUIRY CARD

Dining table

SEATING up to 16 people, the new oval-topped dining table from S Pollack is made from upr mounted wicker/rattan supports — a simulated cane wicker/rattan material that is said to be virtually indestructible. The table measures 3,300mm x 1,300mm and is available in various colours and patterns. Special requirements, such as the inclusion of logos, can be incorporated. There are matching dining chairs.



Enter 113 ON EXPRESS ENQUIRY CARD

Ventilation



FLOORMASTER is a new style ventilation system introduced by Balco Ventilation. It is based on a displacement air principle and depends on the delivery of fresh cool air at low velocities into the room at floor level, displacing the warm air upwards. Balco maintains that Floormaster produces healthier conditions than the conventional mixing system of ventilation and that it is often cheaper to install because it requires less ductwork.

Enter 114 ON EXPRESS ENQUIRY CARD

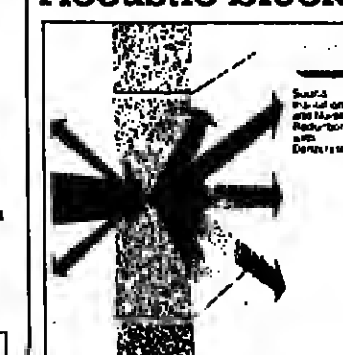
Aerial thermography

GEOLOG Wimpey has announced an economic and cost-effective aerial thermography service which can identify and pinpoint areas of energy waste. Mounted on a balloon platform, an infra-red scanner obliquely surveys both roofs and elevations of buildings below. Infra-red images are displayed on video screens in the ground vehicle. This service is an addition to Wimpey's well-established ground-based service. The equipment has no restriction.



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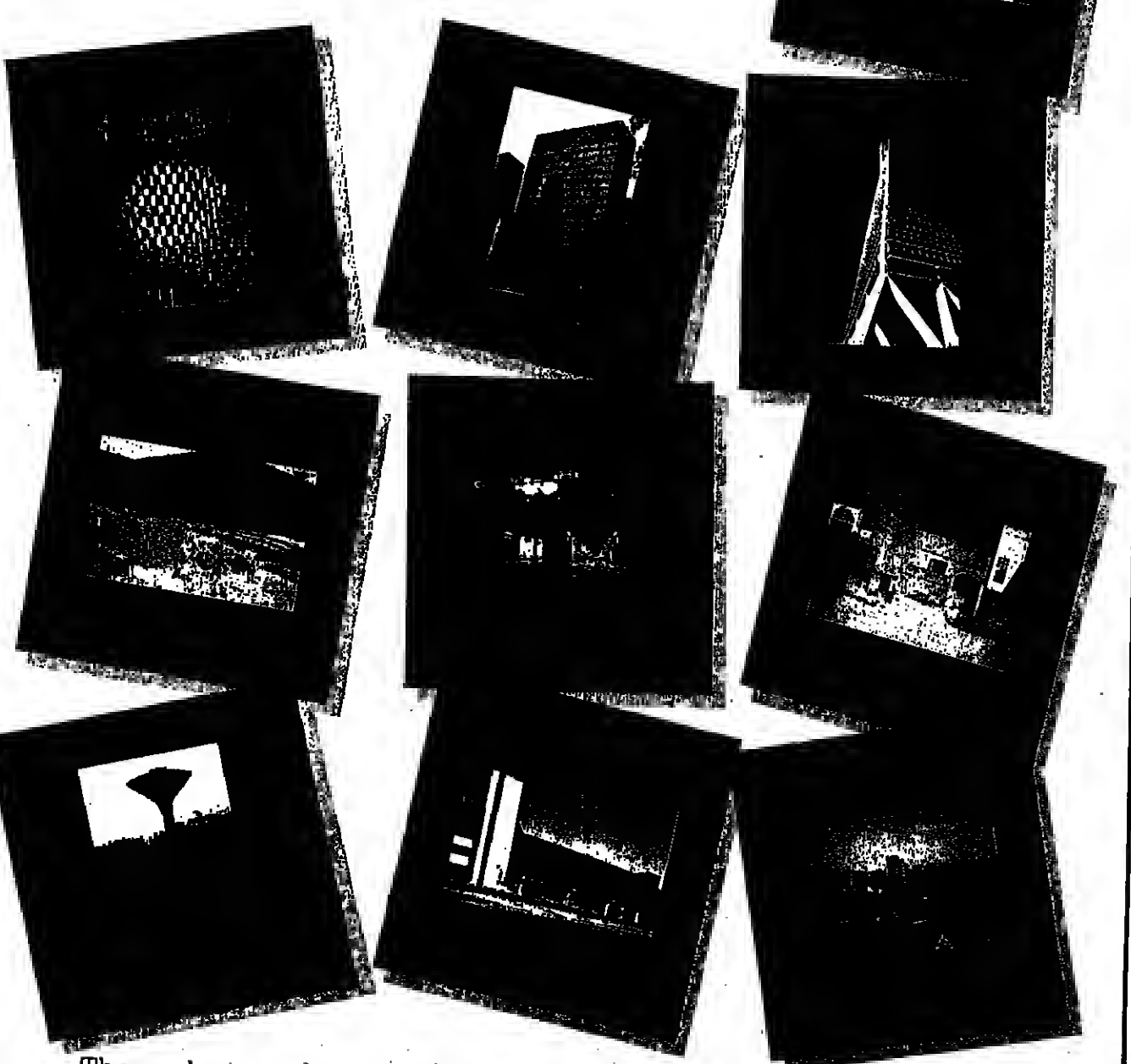
Acoustic block



DENZURETE Standard blocks from FFC Quarries, including Close Textures and Fair Faced blocks, typically achieve a sound reduction index of 45dB for single leaf construction and 52dB for two leaf cavity wall construction. Their sound absorption coefficient is in excess of 15 per cent at total absorption at mean frequencies between 125 and 4000Hz, although plastering and painting can considerably lower these values.

Enter 116 ON EXPRESS ENQUIRY CARD

What do these have in common?



The sealant used was based on Morton-Thiokol LP Liquid Polysulphide Polymer. This has been the base for the production of high quality construction sealants for more than thirty years. It has also been the base for high quality Insulated Glass sealants for more than twenty years. The structures illustrated show successful contracts around the world, from near Arctic to tropical locations.

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THE STAFF GALLERY



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TECHNIQUES

The new formwork guide (see ref) advises where to use cheap materials than the normal ply forms. Standard proprietary steel and plastic forms are available, as well as purpose-made forms and form liners in various materials (including concrete). The tricks are in the details of the edges, corners and ribs and kickers. A recent trend is to go for the cutting of holes for services rather than casting in holes, and for site drilling rather than casting in at banks (because concrete cutting and drilling equipment has improved).

Reinforcement cages are increasingly made from standard rectangular and trapezoidal mesh which can be folded to form the cage. Stainless steel or galvanneal reinforcement is more often used where concrete is exposed and high tensile reinforcement is used where

SKILLS

Formwork (not nowadays called shuttering) and the falsework that supports the form, is covered in a City & Guilds course on formwork for use in a City & Guilds certificate in concrete construction. A carpenter with an advanced certificate may have taken hours extra training in his or her training — it is not 80 concrete practice certificate or an ordinary City & Guilds certificate. The course is a 120-160 hours C&G run special one-week formwork course for foremen, clerks of works etc. They cover, among other things, planning the formwork method, pressures on formwork and appreciation of design principles, proprietary materials and equipment, and accuracy.

Specialising (and being extremely) often learned working for specialists who supply the cut, bent and even caged steel to the site. The City has a range of one- and two-week courses from basic through to advanced and participants should know how to handle and lift to make a simple cutting list of bending schedule, how to work out the height of chairs for slabs (see Checkpoints), interpreting schedules and codes and reference to participants should know how to organise production on site and in the factory, how to store and protect reinforcement, precast and in-situ fixing — and a lot more.

ACCURACY

space is limited. The steel fixer's job is made easier on site if at least part of the formwork is in position as a template before steeling starts.

CHECKPOINTS

The points to concentrate on in the supervision of formwork and steeling are:

- Accuracy of the formwork. Obviously in exposed concrete work this is even more important than in work that is to be covered.
- Accuracy of the steeling. Obviously in exposed concrete work this is even more important than in work that is to be covered.

REFERENCES

Current & Concrete Association "man on the job" booklet, 45/105 Reinforcement and 45/115 Formwork — these are Henry's references. The City & Guilds also provide copies of J.G. Richards's book on formwork, which ran in the Journal of Concrete Construction, Society, Formwork — a guide to good practice, just out, 01-222 1822.

BS4466 1981. Bending dimensions and scheduling of reinforcement of concrete. BS draft for public comment 88/10612. Workman-ship on building sites Part 2. Specification of requirements for basic workmanship for concrete work.

SPECIALISTS

Arcon Stainless Steel Fixings Limited, tel: (0742) 759224, stainless reinforcement using wire and cast in place. Council of Forest Industries of British Columbia, tel: 01 783 4446 — will advise on suitable ply spec for different types of formwork.

CORRECTION

Last week's *Fastcheck* on Groundwork and Excavation referred to BS5900:1972 on foundations. BS5900:1986 has just replaced this

Dateline

This week

Wednesday
Building defects and failures, seminar organised by Wynton Services Ltd.
Venue: Royal South Hotel, Glasgow Road, Edinburgh.
Details: Cyril Vase, 031-558 1686.

Thursday
Selling our Georgian heritage: the work of the Georgian Group, lecture by Roger White.
Venue: The Huntington Centre, The Vineyards, Bath BA1 5NA.
Details: (0225) 333895.

Thursday
Conservation and tourism in the Peak National Park, one-day seminar organised by the Sheffield Society of Architects.
Venue: Halifax hall at residence, University of Sheffield.
Details: Sheffield Society of Architects, Rammoor Parish Centre, Rammoor Park Road, Sheffield 10.

Thursday
New Building Regulations in operation, seminar on the practical workings of the new Regulations.
Venue: RIBA, 66 Portland Place, London W1N 4AP.
Details: Jessica Wall, RIBA Services, 66 Portland Place, London W1N 4AP. Tel: 01-637 8991.

Thursday
Lecture by Professor St John Wilson, head of architecture department, Cambridge University.
Venue: Reynolds Room, Royal Academy of Arts, Burlington House, Piccadilly, London W1.
Details: 01-734 9052.

Friday
Successful marketing in the housebuilding industry, seminar organised by A.R.C.
Venue: Cafe Royal, 68 Regent Street, London.
Details: Imra (0453) 263448.

Tuesday
The use of stone in building, a course organised by the standing joint committee on natural stone.
Venue: Geological Museum, Exhibition Road, London SW7.
Cost: £25 per delegate, £8.50 for students registered with architectural schools.
Details: The Secretary S3CNS, 82 Cavendish Street, London W1M 8AQ.

Tuesday
Successful marketing in the housebuilding industry, seminar organised by A.R.C.
Venue: Cafe Royal, 68 Regent Street, London.
Details: Imra (0453) 263448.

Tuesday
The general of the Maitland Hall, lecture by Edward Jones of Jones & Kirkland, Toronto.
Venue: RIBA, 66 Portland Place, London W1. 6.15pm.
Details: RIBA, 01-580 5533.

Tuesday
Lecture on James Stirling by Peter Murray, publisher of *Blueprint* magazine.
Venue: Reynolds Room, Royal Academy of Arts, Burlington House, Piccadilly, London W1.
1pm-2pm.
Details: 01-734 9052.

Tuesday
Aspects of modern architecture and city living, joint meeting of the North East Thames Architectural Society and the Ilington Society.
Venue: Camden Head, Camden Passage, London N1. 8pm.
Details: Tony Swannell, 01-359 4755 or Marion Harvey, 01-607 9085.

Wednesday
The hand that draws, lecture by Helen Powell.
Venue: Whitebox lecture theatre, School of Architecture, Plymouth Centre, North Street, Plymouth, Devon PL1 2AR.
Details: (0752) 264645.

Wednesday
Fundraising auction of architectural books, pictures, including prints and drawings in aid of All Souls, Harley Hill, Harley.
Venue: Solihull, 34 New Bond Street, London W1. 6.30-8.30pm.
Details: All Souls Auction, 01-228 0330 or 01-228 3336.

Wednesday
Building contracts: a review, seminar organised by Liverpool Polytechnic department of surveying.
Venue: Liverpool Polytechnic, Clarence Street, Liverpool. 1.30-6pm.
Cost: £25.
Details: Annie Roberts, 051-2073581 (ext 12601/2602).

Subscription details

Building Design is published weekly and sent free of charge to registered architects working in the UK and selected members of allied trades. Subscription rates: one year £30, overseas \$80, single copies 60p. Orders to: Subscription Dept, Morgan Grampian (Construction Press) Ltd, Morgan Grampian House, Calderwood St, London SE18 6QH (01-855 7777).

INTERIOR DESIGNERS, ARCHITECTS, TECHNICIANS
We have a number of vacancies for experienced and talented people to join our team. We are looking for people who are creative, imaginative and have a good understanding of the building process. If you are interested, please send your CV to: **WESTWOOD PIET POOLE AND SMART**, 22 Suffolk Street, London SW1V 4HU.

HUCKLE TWEDDELL PARTNERSHIP
JOB ARCHITECTS
We are in the early stages of several new projects and are seeking architects with around three to five years post-registration experience (or suitably experienced technicians) to join our teams. We expect good design and practical skills together with energy and an attitude which will contribute to the success of these and other schemes in U.K. and abroad.
Salary according to age and experience.
Please apply with C.V. to: **Tony Carpenter**, Huckle Tweddell Partnership, Balnbridge House, Balnbridge, London WC1A 1HP.

CLERK OF WORKS
Up to — £10,902 P.A.
We are looking for an experienced Clerk of Works who is able to make an immediate contribution to the work of the Borough Architect's Department.
You will be required to supervise a wide range of building projects including Major Improvement and Energy Conservation Schemes. You will also be expected to achieve and maintain a high level of quality control and ensure contractors meet Health and Safety requirements.
Applicants should preferably hold HNC (Building) but must at least hold the ONC (Building) with not less than 10 years experience as Clerk of Works or General Foreman of Works, or b) have not less than 15 years experience as Clerk of Works and/or General Foreman of Works.
Membership of the Institute of Clerks of Works would be an advantage.
Application forms can be obtained from Headquarters Personnel, South West Thames Regional Health Authority, 40 Eastbourne Terrace, London W2 3OR.
Telephone 01-262 8011 ext 4021.
Please quote reference 88/174.
Closing date for applications is 7th November 1988.
We are an Equal Opportunities Employer.

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PRINCIPAL BUILDING SURVEYOR
Salary £18,800-£18,745 per annum inclusive, plus essential user car allowance and a telephone allowance.
Are you looking for a fresh challenge and an opportunity to widen your experience in the Building Surveyor field?
In Kingston we place great importance on the cost-effective repair and maintenance of our wide range of building stock which includes housing, educational establishments, social services and recreational premises and civic buildings. The Department of Architecture and Building Maintenance is based in modern offices, providing an excellent working environment. Kingston upon Thames and the surrounding area offer an attractive place to live with a wide choice of housing and good recreational and other amenities.
This key post requires an experienced building surveyor who will implement maintenance policy, achieve budget and programme targets, and manage a team of surveyors engaged upon a heavy workload of repair and maintenance within a total divisional budget of approximately £8m 1988/89.
You must have:
— Minimum of 5 years' practical surveying experience (not necessarily gained in local government), coupled with a sound knowledge of building maintenance techniques
— proven managerial ability and possession of a full professional surveying qualification.
Ref: 861
For further details please contact the Staffing Section, Guildhall II, Kingston upon Thames, Surrey KT1 1EL, telephone: 01-545 2121 Ext. 2218 (ansaphone) quoting the reference number.
Closing date: 7 November 1988.
Royal Borough of KINGSTON upon Thames
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WESTWOOD PIET POOLE AND SMART
require a young and enthusiastic architect (Post Part II) to work on a variety of new build and re-hab projects.
Apply in writing with C.V. to:
Michael Westwood, Westwood Piet Poole and Smart, 22 Suffolk Street, London SW1V 4HU.

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LIVELY DESIGN AND PRODUCTION ARCHITECTS
with high design standards for a range of major commercial and retail developments.
Excellent prospects with an expanding and dynamic team.
Please send full C.V. together with details of expected salary and availability to:
Christine Harwood, Damond Lock Grabowski & Partners, 12 Sutton Row, London W1V 6AB.

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DIRECTORATE OF ESTATES
CHIEF CLERK OF WORKS
GRADE II £10,191 - £12,251 p.a.
To be responsible for the supervision of Health Service building contracts in the Region. Initially the successful applicant will be based at Crawley Hospital but may later be involved in schemes in other parts of the Region for which appropriate travelling expenses will be paid.
Applicants should preferably hold HNC (Building) but must at least hold the ONC (Building) with not less than 10 years experience as Clerk of Works or General Foreman of Works, or b) have not less than 15 years experience as Clerk of Works and/or General Foreman of Works.
Membership of the Institute of Clerks of Works would be an advantage.
Application forms can be obtained from Headquarters Personnel, South West Thames Regional Health Authority, 40 Eastbourne Terrace, London W2 3OR.
Telephone 01-262 8011 ext 4021.
Please quote reference 88/174.
Closing date for applications is 7th November 1988.
We are an Equal Opportunities Employer.

DEPARTMENT OF ENGINEERING SERVICES AND TRANSPORTATION
VACANCY NUMBER 887
ASSISTANT BOROUGH ENGINEER (Architectural Services)
Scale P08-11
£14,475-£15,627 per annum
Applications are invited from persons who are registered Architects and preferably members of the RIBA with suitable experience for the above senior post. The successful applicant will be responsible to the Director of Engineering Services and Transportation for the organisation and management of the Architectural Section of the Department in controlling the Council's programme of building design, construction, alteration, adaptation and maintenance, and will be a member of an interdisciplinary team of officers responsible for the initial formulation of programme proposals.
The post carries an essential user car allowance. A job description is available.
VACANCY NUMBER 882
ARCHITECTURAL ASSISTANT
Scale 6/8 £8,391-£10,164 per annum
Applications are invited from suitably qualified or experienced persons for the above mentioned post. The successful applicant will be a member of a team responsible for new house building, improvement and repairs to existing housing stock, and for the adaptation, improvement and maintenance of public buildings.
The Council's programme offers ample scope for the postholder to gain valuable experience in all aspects of architectural involvement within its capital and revenue account programme of work. Every opportunity will be given to the successful applicant to fully involve himself or herself in the administration of the programme.
The post carries a casual user car allowance, limited to 1450cc.
Application forms for both posts are available from the Personnel Office, Town Clerk's Department, Municipal Offices, 81, Jarvis Street, Ayr, Ayrshire, 684 1PQ. Telephone Ayr 364131 to whom they must be returned not later than 17th November 1988.
BOROUGH OF HYND BURN

STRAIGHTENING SPACER BARS
Use a dog - either from a steel bar (which produces double bars) or from a dog bar (which produces single bars).
Dog bar (which produces single bars) — make sure it is straight and of the correct length.
Dog bar (which produces double bars) — make sure it is straight and of the correct length.
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Dog bar (which produces double bars) — make sure it is straight and of the correct length.

CONCRETE SPACERS
Concrete spacers are used to support the reinforcement in concrete. They are made of steel or plastic and are placed at regular intervals along the length of the reinforcement. They are used to ensure that the reinforcement is correctly positioned and that the concrete is cast around it. They are also used to ensure that the reinforcement is correctly positioned and that the concrete is cast around it.

SPLIT BATTEN USED TO REMOVE DEFECTIVE CONCRETE
A split batten is used to remove defective concrete from a wall or ceiling. It is a long, narrow, flat piece of metal that is split down the middle. It is used to pry out the defective concrete and replace it with new concrete. It is a simple and effective method of removing defective concrete.

REFERENCES
Current & Concrete Association "man on the job" booklet, 45/105 Reinforcement and 45/115 Formwork — these are Henry's references. The City & Guilds also provide copies of J.G. Richards's book on formwork, which ran in the Journal of Concrete Construction, Society, Formwork — a guide to good practice, just out, 01-222 1822.
BS4466 1981. Bending dimensions and scheduling of reinforcement of concrete. BS draft for public comment 88/10612. Workman-ship on building sites Part 2. Specification of requirements for basic workmanship for concrete work.

APPOINTMENTS

To place your advertisement telephone 01-835 7777 ext 453 or 8004 rate (no 800) 31p per line to 1000 words per line. Please send CV to: 2000 Wordsworth Street, London SE18 6PL

Acceptance: Published on Friday. Latest copy date is 10.00pm. Please send CV to: 2000 Wordsworth Street, London SE18 6PL

Cancellation: Seven days prior to publication

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Please send detailed CV to:

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Please apply in writing, with C.V. to:-

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The Office is recognized for training purposes and encourages staff in all aspects of professional training including day release.

Qualifications For PTO you need ONC/BTEC/SCOTVEC(NC) or the equivalent or higher in the appropriate subject plus practical experience.

For Technical Grade 1 you need a City & Guilds Advanced Craft qualification and have served a recognised apprenticeship, or passed a GCE 'O' level or CSE (Grade 1). Several years practical experience are also required.

Application forms and further details are available from the Establishment Officer, Metropolitan Police Office, Room 219 (RD/AA), 105 Regency Street, London SW1P 4AN or telephone 01-230 5122 (24 hour answering service).

The Metropolitan Police Office is an equal opportunities employer.

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Please send detailed CV to:

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Architectural Technician/Assistant

£8391 - £10164

The main duties will involve the preparation of production drawings for issues to Contractors, Quantity Surveyors, Specialists, etc. Work will include housing, leisure centres and industrial units.

Applicants must hold the Intermediate qualification of the RIBA or MBAT, or have HNC or HTEC in Building with post qualification experience in a drawing office.

Rented housing accommodation may be available with generous removal/settling in expenses paid in appropriate cases.

For an informal discussion contact contact Keith Webster, Planning and Design Officer on Corby (0538) 202851 Ext. 14.

Application forms and job descriptions are available from the Manpower Services Section, Civic Centre, George Street, Corby, Northants, NN17 1QB, or telephone Corby (0538) 202851 Ext. 0.

Closing date: 7th November 1988.

CYNGOR SIR GWYNEDD COUNTY COUNCIL

COUNTY ARCHITECT'S DEPARTMENT

The County Architect's Department is currently engaged upon a wide and interesting programme of new building and refurbishment work throughout the County and applications are invited from talented, enthusiastic designers for the following posts, one of which will be located in the department's Dolgellau office and the other in the headquarters building at Caernarfon. Applicants should state clearly on their application form whether they have a preference for one or other of the offices:

PRINCIPAL ARCHITECT
PO 34-37 £12,287-£13,280

Applicants must be registered with at least 5 years post qualification experience, of proven design ability and with a good track record in contract administration and site supervision.

ARCHITECT
Scale 8/80 £12,287-£13,280

Applicants must be registered architects with at least 2 years post qualification experience and must possess considerable design ability.

Ability to communicate in Welsh desirable and in English essential for both posts.

Car allowance and assisted purchase facilities available. Financial assistance towards removal and resettlement expenses in appropriate cases. Closing date: 3rd November, 1988.

Application forms and further particulars for the above posts available from the County Personnel Officer, County Offices, Caernarfon LL55 1RH, Tel (0288) 4121 ext 2078.

Michael Lyell Associates

PROJECT ARCHITECTS ASSISTANTS TECHNICIANS

required to work on interesting and rewarding projects. Positions available in London and at the Walton on Thames group office incorporating the John Deal Partnership.

Applicants must have a minimum of 8 years office experience and should apply in writing including full CV to Martin Gray, 16 Yeomans Row, London SW3 2AJ.

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with 2+ years experience, urgently required for 1-24 month contracts. £7-£10 per hour. Immediate start.

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DIRECTORATE OF TECHNICAL SERVICES

DEVELOPMENT SERVICES DIVISION ARCHITECTURE GROUP

We are looking for talented and enthusiastic staff, with commitment to public sector practice, to strengthen our busy Architecture Group. You will join established teams handling an interesting range of projects at all work stages, including major new-build schemes currently in design.

Senior Architect

Ref. 604/508

SALARY: - Grade PO1/2 £12,690 to £14,391 per annum inclusive. Plus Essential User Car Allowance.

An ambitious and energetic architect with at least 2 years' post-qualification experience and proven design and contract administration ability is needed. You will take responsibility for major schemes and will make a positive contribution to the effective management of a team of up to 7 staff in existing a Section Architect.

Career Grades Architects/ Architectural Assistants

Ref. 604/518, 522, 525.

SALARY: - Scale 5/8/501/2 £9,129 - £13,035 per annum inclusive Plus Casual User Car Allowance.

Real opportunities for individual responsibility and career advancement and available for experienced technical staff who can demonstrate initiative, imagination and flexibility to meet time and cost targets.

The starting salary for these posts will depend on experience and qualifications.

There is a possibility of day release for those on a recognised course of study.

Closing date 7th November, 1988.

Application forms available from the Assistant Controller (Support Services), Bernal House, 1285 High Road, Whetstone, London N20 0EJ. Telephone 01 446 8511, ext. 4480 (ansaphone during office hours) or ext. 4455.

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If you would like to be part of our exciting future, enjoy a challenge in a non-smoking pleasant environment and are looking for a stimulating career with a progressive and growing company, your efforts should please write with C.V. to:

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Dept of Architecture, Design & Construction

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Applications are invited from persons who would wish to lead a group of staff teaching in the field of Construction Studies. We will wish the successful candidate to show initiative, particularly in the field of building technology, in order to enhance the present Higher National Diploma Course designed to educate Architectural Technicians and in the development of research and new courses.

Applicants should have an appropriate graduate qualification, teaching and professional experience and an ongoing commitment to research. A higher degree and/or knowledge and experience in the use of computers would be an advantage.

Further details and application form (please send SAE) from the Personnel Office, The Polytechnic, Queensgate, Huddersfield HD1 3DH and should be returned to that office by 14 November 1988.

JOHNSONS

ARCHITECTS • PLANNERS • ENGINEERS QUANTITY SURVEYORS

WF Johnson and Partners
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England CV32 6JX

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ARCHITECTS AND ARCHITECTURAL TECHNICIANS

We offer competitive salaries, a challenging and varied workload with good career prospects.

Please reply to R. L. Bead, Partnership Secretary

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Directorate of Development

ARCHITECTURAL ASSISTANT

Ref. 188/511045/BD
Career up to £14,289

The Architects Department is looking for an enthusiastic technician/assistant or architect to carry out a wide range of projects, which include both refurbishment and new build housing, extensions to social services buildings, depots and leisure facilities, a large programme of decentralised neighbourhood offices and environmental improvement work.

The Council is decentralising its services and all officers of appointments are made on the understanding that job location, duties and responsibilities are liable to change.

Applications for the above post are invited from qualified and experienced persons. Application forms and job descriptions may be obtained from the Personnel Reception, Town Hall, Raithe Square, London E2 9LN, or telephone our answering service on 01-981 0077.

Please quote the job title and reference. Completed forms must be returned by 10.11.88.

Applications are considered on their suitability for the post regardless of sex, sexual orientation, religion, racial origin, marital status, disablement or age.

The Bell Slater Partnership

Architects and Interior Designers specialising in the leisure and catering industries urgently require

SENIOR TECHNICIAN/TECHNICIAN

capable of working with minimum supervision on presentation drawings, working drawings and site supervision.

Applicants should have at least seven years practical experience, a sense of humour and an understanding of the problems of a small but expanding practice with an unreasonable workload - previous experience in bobbing, weaving and juggling essential.

SALARY NEGOTIABLE

Please phone June Manning - 785 3030 - for interview.

Directorate of Works Chief Architect's Division

Principal Assistant Architect
£13,354-£16,143

Senior Assistant Architect
£10,654-£13,279

Assistant Architect
£7,288-£10,654

Architectural Assistant
£5,712-£8,113

The Welsh Health Common Services Authority is a special Health Authority whose responsibilities include the design and supervision of building and engineering schemes for the Health Service in Wales.

This is a lively and progressive award-winning office which is committed to high quality design and construction. A GDS computer drafting system is used extensively and the successful applicants will be expected to make use of the facility and contribute towards its future expansion.

The Department has its own Interior Design team, Landscape Architect, and Land Surveyors. The Directorate incorporates Services Engineering and Quantity Surveying Divisions, thus providing a full multi-disciplinary service with the exception of structural engineering.

Vacancies have now arisen for the above posts and applications are invited from suitably qualified designers who feel they could make a positive contribution to the further advancement of architecture in the office.

Principal Assistant Architect

A Registered Architect with a number of years experience in design, site supervision and contract administration, capable of taking a leading role in the supervision and direction of staff under their control.

Senior Assistant Architect:

A Registered Architect with considerable experience in design, site supervision and contract administration since qualifying, able to run projects with limited supervision, and be willing to work in a team on larger projects.

Assistant Architect:

A Registered Architect with a sound technical background, and some practical site experience since qualifying.

Architectural Assistant:

A young assistant studying for the RIBA Part III examinations with a good degree in Architecture and interested in a career in a progressive Health Authority office.

For an application form and further particulars please apply to:

The Personnel Office,
Welsh Health Common Services Authority,
36/43, Newport Road,
Cardiff CF2 1BB
Telephone: Cardiff 499821 ext. 2138

Closing date for receipt of completed application forms is: 7/11/88.

Welsh Health Common Services Authority

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Principal Assistant Architect
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Senior Assistant Architect
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Assistant Architect
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£5,712-£8,113

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The successful candidate will assist the Senior Architectural Technician in the production of draft and final detail plans for capital housing and other Council building projects.

Applicants should possess T.E.C. in Building Construction and have up to two years' relevant experience.

For application form and job description please contact the Personnel Officer, Monmouth District Council, Mamhilad House, Mamhilad Park Estate, Pontypool, Gwent NP4 0YL.
Telephone: Pontypool 811, Extension 229.
Closing date: 31st October 1988.

R.K. FRANCIS ASSOCIATES
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We require a self-motivated Architect with at least 10 years post graduate experience to take control of our busy Midlands office at Studley. The office has the advantage of a rural location just south of Birmingham whilst still being within minutes of the City centre.

The successful applicant will have good design ability and be well experienced in the design of imaginative housing schemes for the public and private sector; he will also have a sound knowledge of associated legislation and standards.

The position requires sound managerial experience and skills, and the ability to take over a tightly administered and commercially minded office from the present holder of the post who has been promoted within the company.

A company car will be provided. Application with CV to:-

A.C. Rankum ARIBA
R.K. Francis Associates
4 Ferncliffe Road, Worthing
West Sussex BN11 2BE.

County Planning Department

Architect

Design and Conservation

Salary: - S.O.2 (£11,604-£12,297)

An architect is required to assist the Senior Architect in the Design and Conservation Team. He/she would give advice to District Councils on design matters, historic buildings, conservation areas and carry out design studies for County Council owned sites.

Applicants must be Chartered Architects who are interested in historic buildings and conservation, are capable of solving design problems quickly and imaginatively, and have the confidence and sensitivity to provide practical advice to others. Previous experience in a Planning Department of a local authority is desirable. An essential car user allowance, relocation and resettlement expenses will be payable in appropriate circumstances.

For further details please contact Michael Abbott on Chichester 777808. Application forms and a job description are available from: The County Planning Officer, West Sussex County Council, Sussex House, Crane Street, Chichester PO19 1RL.
The closing date is 12th November, 1988.

west sussex

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to join busy Architects Department. Applicants should have experience in
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For further details and application form contact Jenny White, Notting Hill
Housing Trust, 36 Paddenswick Road, London W6 0US. Tel: 01-741 1570.
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opportunities employer and welcome applications from black, Asian, and
disabled people. Closing date: 7th November 1988

ELM BRIDGE

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Up to £13,593 per annum (inclusive PO 34-37)
Plus essential year car allowance
Plus general relocation package including mortgage subsidy
allowance (where applicable)
Plein fixed time

The successful applicant will be required to work to the highest
professional standards on a full programme of new build and
modernisation work. This will involve: attending planning
meetings, site meetings, supervision of Clerk of Works, liaison
with consultants and execution of working drawings etc.
If you are experienced in the above and are a Member of the Royal
Institute of British Architects we would be pleased to hear from
you.

For an informal discussion contact Mr R. Barnard, Head of
Architecture and Estate Services on Esher 62111.

For an application form and further details contact the Personnel
Section, Elmbridge Borough Council, Town Hall, New Zealand
Avenue, Walton on Thames, Surrey. Tel: Walton on Thames
228844 ext 232 (enquiries service).
Closing date: 7th November 1988.



SHEPWAY DISTRICT COUNCIL Controller of Technical and Planning Services Architects Section

Shepway offers a very pleasant coastal and rural
environment for both living and working in. The
Council currently requires a full time permanent
staff to join the very busy Architects Division (which
presently numbers thirty-four staff) of the Controller of
Technical and Planning Services Department. The
successful applicant will work on new rehabilitation
housing schemes and other corporate projects
including a major extension to the Civic Centre.

Principal Architect

Scale PO6 (£13,653 - £14,862)

Applicants are invited from Registered Architects for
this key position which will involve assisting in the day
to day management of the Architects Section
(containing 16 professional staff), reporting directly to
the Chief Architect.

Applicants should have several years experience of
design and contractual matters, be highly motivated
and able to demonstrate creative achievement as well
as interpersonal and programme management skills.
Whilst previous local authority experience is considered
desirable it is not essential.

There is a continuing need to improve office systems
and methods and to this end computer facilities and
CAD are being developed. The successful applicant will
be expected to contribute to this development as well as
designing and running specific projects.

An essential car user allowance or a lease car will be
available, together with relocation expenses where
appropriate.

If you wish to informally discuss the above post please
ring the Council's Chief Architect Richard McCarthy
OIP ARCH RIBA on Folkestone 57388 Ext 473.

Architectural Technicians

2 Permanent Posts
1 Temporary (subject to review) minimum
period of 12 months
Scale 4/5 (£7,311 - £9,216)

The above vacancies exist within the very busy
Architect's Section for experienced staff to work on a
variety of schemes producing working drawings and
production information. Applicants will have to
demonstrate a high degree of commitment and the
ability to work with a minimum of supervision.

It will be an advantage for the post holders to provide a
car for which a Casual Car Allowance will be paid.
Relocation expenses in approved cases may also be
available.

Application forms and job descriptions for the above
posts may be obtained from the Personnel Office,
Shepway District Council, Civic Centre, Castle Hill
Avenue, Folkestone, Kent. Tel: (0803) 57388 Ext 210.
Closing date: Friday 7th November 1988.

stirling

RECRUITMENT CONSULTANTS

ARCHITECTS
4-5 yrs exp to work on an independent project.
Architectural Assistant to assist in the design and
drawings of a new housing scheme. Work on site
involved in this Surrey based project.
INTERIOR DESIGNERS
Consultancy in Bedfordshire requires retail designer with 3 yrs + exp and a flair for
architecture to run a variety of projects.
Design/Exhibition designer for Leicester based design consultancy.
ARCHITECTURAL ASSISTANTS - qualified to RIBA 1 to work on office and
high tech schemes planning, approvals, scheme drawings and specifications
ARCHITECTURAL TECHNICIANS - with sound housing experience for co. in
Herts - min 3 yrs exp with proven commercial background
DESIGN ORALIGHT PERSON - shoplifting exp and knowledge of building
regulations required for co. in Wilt.
CONTRACT TECHNICIAN - up to £4,000 p.a. for immediate start.
8A New Street, Basingstoke, Hants (RG24) 47878

ARCHITECTURAL TECHNICIAN

required for varied and interesting work in the Architectural Department.
Salary will reflect experience and ability.

Contact:
Tony Bee RIBA MRPT
George Trollope & Sons
13 Hobart Place, London SW1
Telephone 01-235 8099

WANTED

CAREER MINDED ARCHITECTS AND TECHNICIANS

Worldwide wide-ranging opportunities in general practice for dedicated
people who want responsibility.

Good staff benefits.
Apply with CV to:
E. J. Baxter
Clark Baxter Associates
9-11 High Beech Road
Loughton (Central Line)
Essex

DEPARTMENT OF PLANNING AND ARCHITECTURE

SENIOR ARCHITECT

Grade SO2/PO1a (£11,604-£12,894)

Applications are invited for the above post based in modern office
accommodation at Hanley. The post holder will head a team
responsible for the preparation of sketch schemes and working
drawings, supervision on site and liaison with contractors and sub-
contractors for the City Council's New Housing Programme. This is
an important post in a progressive authority committed to
improving its housing stock and leisure facilities.

Applicants should have a wide experience in the design of local
authority housing developments and must be registered Architects
with preferably 5 years' post qualification experience. Salary on
appointment, within the above grade, will be dependent upon
qualifications and experience.

Conditions of service are excellent and include a 37 hour flexible
working week, car mileage allowance and facilities for assisted car
purchase. Reasonably priced housing is available in attractive rural
surroundings within easy travelling distance of the administrative
centre. A wide range of financial aids in respect of relocation
expenses, etc., is available, full details of which will accompany
application forms.

For further information/telephone discussion, please contact Mr S.C.
Prior, Deputy Director of Planning and Architecture on (0782)
404103. Application forms available from the Chief Personnel
Officer, Town Hall, Stoke-on-Trent ST4 1HH or telephone (0782)
404745.

The City Council operates a Union Membership Agreement.
Closing date: 7th November 1988.



S. W. TITCHENER
Town Clerk and Chief
Executive Officer
This Council is an Equal
Opportunities Employer

BOROUGH ARCHITECTS DEPARTMENT

Architectural Assistants/Technicians

Grade S4/5 £8,049 to £9,954 inclusive

Applications are invited from Architectural Assistants/
Technicians who have a good understanding of building design
and construction with at least five years relevant experience. We
are looking for applicants who have completed Part 1 RIBA
(intermediate) or are members of BIAT or hold other equivalent
qualifications.

The posts are on the permanent establishment and super-
annuable and appointment may be made at any point on the scale
according to qualifications and experience. There is generous
annual leave entitlement plus one day off per month. (Option Day
Scheme).

The Council has in hand a varied selection of interesting schemes
which will give successful applicants an opportunity to gain
valuable experience in a busy office of a progressive Authority.
Previous applicants need not re-apply.

Application forms and further details from Alan H. Abilt,
FRIBA, Borough Architect, Town Hall, Barking, Essex IG11
7LU (Tel: 01-882 4500 Ext 3310) returnable by 10th
November 1988.

London Borough of BARKING and DAGENHAM

an equal opportunity employer

GLoucestershire based

ARCHITECT

with some years experience in private practice and a post
graduate with marked design ability.
Please send CV to:-

Patrick Bailey
The Falconer Partnership
The Hill, Merrywalks, Stroud, Glos. GL8 5AR

THE KENNEDY WOODWARD PARTNERSHIP Architects & Building Surveyors

urgently require young and enthusiastic

TECHNICIANS

to work on a variety of projects from small works to existing, large
new build projects.

Expanding offices in pleasant country town at Western
Successful applicants are likely to be 30-35 with H.Tec. (BSc) or
BIAT qualifications or be suitably experienced. Salary negotiable.

Telephone for appointment or send C.V. to:-

R. C. Woodward RIBA
Hillwood
95 High Street
Westernham
Kent TN16 1RE
Tel: (0959) 68616

Leicestershire

DEPARTMENT OF PROPERTY

ARCHITECT (TEMPORARY APPOINTMENT)

£9,613 - £12,884 p.a.

A fully qualified Architect is required for a period not exceeding 9 months to
cover maternity leave.

Duties involve design and site supervision of public buildings, mainly school
and liaison with Services Engineers and Quantity Surveyors.

Applicants should have several years experience preferably within a local
Authority environment and hold a current car driving licence.

The salary offered will be commensurate with qualifications and experience.
Application forms available from the Department of Property, South
Hall, Blenheim, Leicester LE3 5RE. Telephone Leicester 878313
ext. 7322.

Closing date: 14th November 1988.

EQUAL OPPORTUNITIES POLICY: Applications are welcome from people
regardless of their race, ethnic origin, religion, sex, marital status or disability.
Disabled applicants will be guaranteed an interview if suitably qualified and
experienced, and supported by a recognised agency e.g. A.D.M.

UNIVERSITY COLLEGE LONDON

Architectural Assistant/Surveyor £9,000-£13,000 a.e. (Under Review)

Required to join small lively 'in house' design team handling
a varied programme of conversion and refurbishment
work in teaching, research and residential buildings.

Applicants should have experience in the preparation of
constructional drawings, specification writing and
supervising contracts up to £25m.

Apply in writing by 7 November 1988, to Mr John Rymel
RIBA, Sursar's Department, University College London,
Gower Street, London WC1E 6BT.

KIRKLEES METROPOLITAN COUNCIL

Directorate of Technical Services

ARCHITECTURAL STAFF

(A) SENIOR ARCHITECT

Grade: S.O.2. - £11,604-£12,897

(B) ARCHITECT

Grade: S.O.1. - £10,569-£11,271

(C) SENIOR TECHNICIAN

Grade: Scale 6 - £9,513-£10,144

(D) TECHNICIAN

Grade: Scale 4 - £7,311-£8,172

The Architectural Division of Technical Services is a busy multi-disciplinary
office dealing with a wide range of interesting projects including new build
modernisations, adaptations and refurbishment. The Directorate is located
in a pleasant modern town centre building and a flexible hours scheme is
operational.

Applicants are invited for post (A) from qualified architects of talent who
have the energy and commitment to see their own projects through all stages
from inception to completion on time and on cost.

Applicants for post (B) should be qualified architects who are seeking an
opportunity to widen their experience.

Applicants for post (C) should possess T.E.C. (Higher) certificate or
equivalent and must have extensive experience of building design and
construction practices together with a high standard of draughtsmanship.
The postholder will also be required to prepare specifications and supervise
work on site.

Applicants for post (D) should possess T.E.C. (Higher) certificate or
equivalent and must have a sound knowledge of building construction and a
high standard of draughtsmanship. Closing date: 4th November, 1988.

Application forms and Job Descriptions from the Personnel Office,
Directorate of Technical Services, PO Box 895, Civic Centre, Market Street,
Huddersfield, HD1 1NA. (Tel: Huddersfield 29123, Ext. 234) and are
returnable to the Director PCW Yane, RIBA, by Tuesday 14th Nov. '88.
The Council operates a Trade Union Membership Agreement.
An Equal Opportunity Employer.

Derrick Wade & Waters
urgently require

ARCHITECT & ARCHITECTURAL ASSISTANT/TECHNICIAN

to work in their Harlow office, on an expanding and varied
workload. Our multi disciplinary office is pleasantly located near
Harlow with good access to M11/M25.

Competitive salaries and conditions are offered including the
provision of a company car.

Apply in writing with C.V. to:-

Mr Abbott RIBA
Derrick Wade & Waters
The Old Bakery, High Wycombe
Harlow, Essex CM21 0KZ

TECHNICAL SERVICES DEPARTMENT

TEMPORARY SENIOR ARCHITECTURAL TECHNICIANS (Six Months)

£12,342-£13,035 inc. pa.

Required in the Architectural Services Division, two experienced
Technicians who have attained a high standard of draughts-
manship and a thorough understanding of construction detailing to
work within a small team carrying out interesting and
demanding projects.

For further information contact Mr Dyke (01-881 1411 ext 7383).
Application Form from Department of Technical Services, Regal
House, London Road, Twickenham TW1 308 (01-891 7378)
quoting reference No. 919013/015. Returnable by 14th
November 1988.



CHIEF ARCHITECT

Abbey Homesteads (Developments) Limited, the housing
division of Abbey plc is seeking a Chief Architect to take
full control of a small in-house team and the management
of external consultants.

The division operates mainly in the south-east of England
and is currently expanding from 800 units per annum to
1000 plus.

The successful applicant will have developer experience
at senior level, particularly in the appraisal of potential
schemes and the design of new house types.

Excellent salary, executive motor car, large group benefits.
Preliminary age range 30-45.

Apply with full career details to:
Chief Executive, Abbey plc
Star House, Mutton Lane
Potters Bar, Herts EN8 2QP

ARCHITECT

Mayfair W1

If you want to join a thriving and progressive
Company, where opportunities abound for fast
thinking people - think McCarthy & Stone.

We are the leaders in the provision of world
renowned, private sheltered housing, and rapid
expansion has led to the opening of yet another
office. Our Mayfair address reflects our status in the
market and we are now seeking a qualified Architect
to set up a new department from scratch.

Probably in your late 20s, you will display good all
round ability and flair and be able to work quickly and
effectively under minimum supervision. Technical
skill in all aspects of commercial design and build
projects and an enthusiastic approach to your work
are essential.

We can offer excellent career opportunities as well
as an attractive benefit package including a
Company Car.



Write or telephone for an application form:
Tony Hargrave, Manager, McCarthy & Stone
(Developments) Limited, 10 Mount Row, Mayfair,
London W1Y 5DA. Tel: 01-493 4701.

A Career Opportunity in Civil and Structural Engineering

Unilever Engineering is an international and multi-discipline
organisation with offices in London and Vlaardingen, Holland.
The Civil Engineering Section of the London office in Southwark
has a permanent staff vacancy for a Civil/Structural Engineer to
work on a wide range of industrial projects in UK and overseas.
Applicants will be Chartered Engineers in their mid-thirties and salary
will be commensurate with age and experience.

Please write for an application form and explanation of duties to:-

Personnel Services Manager,
Head Office Personnel Department,
Unilever UKCR Limited, Unilever House,
Blackfriars, London EC4A 4BQ.
Quoting reference JEP/1.

SENIOR TECHNICIAN

required to join a small progressive practice on a wide
variety of interesting projects.

Salary negotiable.

Apply in writing with C.V. to:-
Adams, Poole, Douglas Architects
Hiscock Gallery, Stanley Street
Southsea, Portsmouth
Hants PO5 9DS
Tel: (0705) 823977

South East Thames Regional Health Authority

PROJECT MANAGER

(Capital Works)

Salary Scale: 27
£14,984 - £19,109

You will take responsibility for the detailed planning and
implementing of major capital works projects. While there may be
an advantage in having experience of health care service
provisions, the main criteria will be leadership and organisational
skills to ensure targets are achieved.

Informal enquiries about the post can be discussed with Mr E.M.
Davies Director of Capital and Estate Management - Telephone
Bexhill (0424) 222666 ext 3984.

Further information, job description and application form from the
Personnel Department, South East Thames Regional Health
Authority, Collington Avenue, Bexhill-on-sea, East Sussex TN23
3NQ. Tel (0424) 222666 ext 3145/3147.

Ref B183

Closing date 7th November 1988.



COLCHESTER BOROUGH COUNCIL Property Services Department

ASSISTANT CHIEF ARCHITECT

Post No 42

Scale: Grade PO 6-9
(£13,653-£14,862)

Applications are invited from architects with at least 5
years post registration experience for the above vacancy
in the Architectural Division of the Property Services
Department.

The Department was formed 2 years ago by the
amalgamation of the Departments of Architecture and
Building, Environmental Health and Housing, under the
existing Borough Architect as the re-designated Chief
Officer.

The work load of the Division involves mainly new
housing design and modernisation, with a small
proportion of minor works. The post-holder will be
responsible for the supervision of a group of Architects
and Technicians and will also be personally involved
with the design of projects and site supervision. A keen
sense of design is, therefore, essential together with
experience in budgetary control and programming.

The post carries casual user car allowance and a related
car purchase scheme. In approved cases removal and
disturbance allowances are payable and temporary
housing accommodation will be considered.

A flexible working hours system is in operation.
Application forms are available from the Personnel
Section, Town Clerk's Department, Town Hall, High
Street, Colchester, Essex CO1 1PJ. Telephone:
(0206) 712248.

Closing date for receipt of applications is Monday 10
November 1988.

MONITORING POSTS
For your business of monitoring
Architects and interior designers in the
South West. Call us now
for an immediate interview.
Tel: 0272 297308
Royal London Building
42 Balfour Street
Bristol BS1 1PN
Recruitment Consultants

ARCHITECT/ ARCHITECTURAL ASSISTANT

required immediately on freelance
contract basis.
Boss Associates
01-343 4998 or
01-979 9130

ARCHITECT

with minimum of 4 years
experience required for
interesting projects.
Please send cv to:-
Powell-Tuck, Connor & Orefelt
Unit 10, Chelsea Wharf
15 Lots Road
London SW10 0QJ

Enthusiastic qualified

ARCHITECT

with 2-3 years experience required by busy practice in
Camden town.

The applicant should have design flair, sound knowledge
of building construction and be capable of running medium
sized contracts with minimal supervision.

Please write with cv to Rita Jarvis
ARP Anthony Richardson & Partners
31 Oval Road, London NW1 7EA
AN EQUAL OPPORTUNITIES EMPLOYER



Architects & Technicians

required at all levels to work on an expanding and varied
workload.

Please write with cv to:
David Hall Associates Limited
The Mill, Lodge Lane, Derby DE1 3HB

Temporary Architects/ Assistants/ Technicians

REQUIRED IMMEDIATELY FOR DESIGN DEVELOPMENT
AND WORKING DRAWING PROGRAMMES ON VARIOUS
EXCITING PROJECTS IN THE BOROUGH.

Salary Range £8,128-£15,800 p.a.

plus usual excellent conditions of employment including paid
holidays, consideration given to part time employment. Our
offices are situated at Wood Green and Crouch End, London.
For further information/early interview ring 01-340 8031 (rel
HS) or leave recorded message 348 8848 after office hours.
Closing date 31st October 1988

Haringey

Haringey is an equal opportunity employer. We
welcome your application which will be
considered on merit, irrespective of race, marital
status, sex or any disability you may have.

ARCHITECTS

Sc 5/502 £8,391-£12,297

(depending upon experience and qualifications)

SENIOR ARCHITECTURAL TECHNICIANS

Sc 5/6 £8,391-£10,164

ARCHITECTURAL TECHNICIANS

Sc 1/5 £3,186-£9,216

(depending upon experience and qualifications)

ROLFE JUDD GROUP PRACTICE ARCHITECTS & TOWN PLANNERS

ARCHITECTS

3-10 YEARS EXPERIENCE

We have an expanding workload and are looking for Architects at all levels to work on a variety of interesting medium sized commercial projects in London.

If you are self motivated and can command a top salary then send your CV (preferably with some reduced examples of your work) to:

ROLFE JUDD GROUP PRACTICE
Old Church Court
Claylands Road
London SW8 1NZ

For further information ring
David Ward on 01 582 7070
ALL LETTERS WILL BE
ANSWERED WITHIN 7 DAYS



SENIOR ARCHITECTURAL ASSISTANT

Commercial and Industrial Bias

due to an increasing workload a further Senior Architectural Assistant is required to join our existing team.

Applicants must be fully experienced in the design and detailing of commercial and industrial buildings and be capable of accepting responsibility at a senior level.

A salary commensurate with the level of responsibility will be negotiated.

Please apply in strict confidence to:
Company Architect
Wards Construction (Medway) Ltd
9 Ash Tree Lane
Chatham, Kent

TP BENNETT PARTNERSHIP

NEW PROJECTS: NEW TEAMS

The T P Bennett Partnership has new opportunities for Architects with proven design ability and construction experience.

Please send C.V. to:-

Gregory A Gale
T P Bennett Partnership
262 High Holborn
London WC1V 7DU

ARCHITECTS

-for design involvement on
an international scale

The PSA annually undertakes a £2000m construction and maintenance programme worldwide and is responsible for the design, construction and adaptation of Government buildings and installations.

The sheer variety and scope of these operations provides opportunities for project involvement from design and planning through to construction on projects ranging from museums to research laboratories, embassies to prisons and housing for the Armed Services.

Great demands will be placed on your architectural expertise and design ability on projects which will often attract high public and professional interest.

Vacancies exist throughout England for Registered Architects who are keen to be involved in this scale of operation.

RELOCATION ASSISTANCE MAY BE AVAILABLE.

For further details and an application form write to Civil Service Commission, Alencon Link, Basingstoke, Hants RG21 1JB,

or telephone Basingstoke (0256) 488651 (answering service operates outside office hours). Please quote ref T(2)80.

The Civil Service is an equal opportunity employer

PSA
PROPERTY
SERVICES
AGENCY

METROPOLITAN BOROUGH OF STOCKPORT

ARCHITECT

£7,311-£19,897

The Architects Department is a multi-disciplinary unit based in the town centre.

Architect required with a range of skills, able to contribute to the development of design and construction within a team working on Education and Leisure projects. To be responsible for projects from feasibility to completion on site under the supervision of the Principal Architect.

Car allowance payable.

To discuss the post phone Alan Tyler, Assistant Director (Arch) Development & Town Planning Division, Greenhills House, Piccadilly, Stockport SK1 3XE (061-480 4449 ext. 3516/3503). Closing date: 11 November 1988. An Equal Opportunities Employer

COUNTY ARCHITECT'S DEPARTMENT

ARCHITECTS

Up to £14,862

Architects needed for work on Libraries, Law Courts, Colleges, Schools, residential and historical buildings. We are looking for good designers able to take full responsibility from brief to final certificate. If you want to know more, ring 0245 267222 Extension 2200 and ask for Alan Willis or Ian Holland for an informal chat or contact Dawn Whelan at the Personnel Section, County Architect's Department, County Hall, Chelmsford, Essex, Extension 2230, for an application form and written details. Closing date for receipt of completed application form: 7th Nov 1988.

ESSEX
County Council



Our successful Design & Build Department approach to contracting has created the following career opportunity in the Design Department.

ARCHITECTURAL/ BUILDING TECHNICIAN

We are seeking a technician who has completed an appropriate course of study to TEC/HEC standards with a minimum of 3 years experience in a design office.

If you are interested in this position then write with C.V. to:
J. Coleman
Chief Architect

Hall & Tawse Construction Ltd.
39 Botley Road, North Baddesley
Bathampton SO62 8ZG

MARRISON RECRUITMENT LTD

46-48 London Road, Twickenham, Middlesex TW2

Telephone 01-891 0891

We are employment consultants who specialise in the placement of architectural, permanent and contract personnel. We have vacancies for Assistants/Technicians and Architects in London and Home Counties. For further details please phone Martin Harrison or Karen Spencer.

SENIOR DEVELOPMENT SURVEYOR

Salary £10,800-£13,932 (+ £213 weighting allowance) + company car + non-contributory pension

The retirement of the Principal Development Surveyor has created a vacancy for a Senior Development Surveyor based at the Trust's head office in Tins.

The work will include appraisal, creative input and on-site monitoring of new build and modernisation projects prepared by both consultants and Trust staff.

Preference will be given to experienced, qualified building surveyors or architects, but unqualified applicants with exceptional appropriate experience will be considered.

The Trust is one of the largest charitable housing Trusts, owning and managing over 13,700 properties on 50 estates throughout England. The Trust operates a non-contributory pension scheme transferable to and from Civil Service, Local Government and certain other approved bodies.

Please apply in writing to the Director, The Sutton Housing Trust, Sutton Court, Tring, Herts., HP23 5BH for an application form and further details.

THE SUTTON HOUSING TRUST

haworth king partnership

chartered architects & designers

WEAVERS YARD 8/7 WEST STREET FARNHAM
SURREY GU9 7ON FARNHAM (0252) 715028

ARCHITECTS

required for expanding practice that would be pleased to hear from qualified Architects with 3-7 years post part III experience to join a busy team. Salary commensurate with motivation.

Principal Architect (Maintenance and Building Services)

Salary £13,653-£14,862 p.a.

Applications are invited for a Principal Architect to run the Council's combined Building Maintenance and Building Services Section within the Architectural Division of the Technical Services Department. The successful candidate will control a team of seven Building Maintenance and three Building Services personnel and will be directly responsible to the Chief Architect for the efficient planned maintenance of some 160 general premises, 20 warden assisted flat blocks and 7600 other dwellings, and for the day to day repair of the general premises. The total annual expenditure thereon is approximately £1M. Will also be responsible in collaboration with the City Treasurer's Department, for the full implementation of the Council's Energy Policy.

Applicants should be architects registered with the Architects' Registration Council of the United Kingdom, preferably having at least ten years post-graduate experience, some technical knowledge of Building Services, and a wide understanding of building maintenance problems, techniques and contractual and costing methods.

An essential User Car Allowance is payable. The person appointed to this post will join an Authority that can offer modern office accommodation, flexible working hours, staff canteen, social club, car loans to staff on £8,608 p.a. and above and contract car hire on a £5/35 basis. Depending upon circumstances up to £4000 disturbance allowance and bridging loan facilities. Consideration will be given to temporary housing accommodation.

Closing date: 7th November 1988.
Interview date: 18th November 1988.

Application form and job description may be obtained from the Chief Personnel Officer, Council Offices, Military Road, Canterbury, Kent CT1 1YW. Telephone Canterbury (0227) 451785 Ext. 4208.



CANTERBURY
CITY COUNCIL

Architectural/Shopfitting Technicians

Our Price, Paperchase, Sherratt and Hughes, Do It All and Music Market, are just some of the names you probably don't associate with W H Smith. But you should, because they are all part of one of the most famous retailing groups in the world. We currently have major expansion plans in each of these existing specialist chains, as well as a rapid programme to give our traditional W H Smith High Street shops a very different image.

Now we want to recruit additional staff to work within teams in our Architects Department to assist us in these exciting projects.

Candidates, aged 20+, should have a minimum of 3 years relevant design/drawing

office experience, ideally but not essentially gained in the retail industry. We offer competitive salaries commensurate with experience, non-contributory pension scheme, substantial discounts on a wide range of merchandise and similar benefits from a large, successful company. Relocation assistance will be available where appropriate.

Please apply in writing giving details of age, qualifications, experience and current salary to Miss N Gill, Personnel Officer, W H Smith & Son Ltd., Bridge House, 45 Farringdon Road, Swindon, Wiltshire SN1 5BH.



Wyn Thomas & Partners

Planning Consultants Landscape Architects Architects

have vacancies for

Architects and Technicians

This is an opportunity to work on a variety of interesting projects in our established multi-disciplinary practice committed to producing high standards of architecture. Registered Architects and Technicians with recognised qualifications preferred.

Write with CV and 1 or 2 A4 sized examples of work to:
Wyn Thomas & Partners
Andrews Building
87 Queen Street
Cardiff CF1 4AU

EXPERIENCED ARCHITECT

£ NEGOTIABLE + CAR

for the design and subsequent site management of high tech industrial parks in the Thames Valley. We are 22 strong with support of a RUPCAPS CAD system in new offices in SW1.

Profit based bonus system in addition to good salary + car.

Please ring Ian King or Ian Hall or write with your C.V.

IAN C KING
CHARTERED ARCHITECT

Greencoat House
Francis Street
London SW1P 1QH
Telephone: 01-830 0322

Architectural Technicians

SC4 - SC6, £7,311-£10,164 depending on qualifications and experience

The City Council has recently established the Property Services Department to implement a new concept of integrated management for all council property (other than housing). Within this new department the Design Services Office provides an integrated multi-disciplinary service combining Architectural, Quantity Surveying, and Consultancy Engineering professions. Interesting opportunities are available for experienced Architectural Technicians, qualified to RIBA level for work over a range of projects including Education, Housing, Social Services and special projects.

Duties will include the drawing up of specifications and schedules, preparation of production drawings, site visits and liaison with contractors.

For an informal discussion contact Terry Ward on extension 2957.

Application forms are available from the Director of Property Services, Floor 8, Tower Block, Much Park Street, Coventry CV1 2QE. Telephone: (0203) 25555 extension 3095. Returnable by Monday 10th November 1988.

We welcome applications from men and women regardless of disability, race or marital status.



MICHAEL HASKOLL ASSOCIATES
Chartered Architects. Design Consultants
7 Cromwell Place London SW7 2JN 01 581 8535

ARCHITECTS

Two Architects required to work on quality retail projects at feasibility and design stages.

Candidates should have a minimum of one years post qualification experience and be in search of a demanding role in an expanding practice.

Excellent opportunities to develop individual skills in the retail sector.

Contact Ian Williams for interview.

HOUSING AND ESTATES DEPARTMENT

Wokingham District Council has one of the fastest growing populations in the country, largely due to its location. This has led to an increased requirement for Council provided facilities. The Architect's Section is facing a marked increase in workload and is urgently seeking staff to fill the following positions. The bulk of the work is new build housing and alterations to the Council's housing stock, but there is also a wide variety of other projects at various stages in hand at this time.

The Council are looking for staff with flair and imagination, a strong sense of design and, naturally, a sound knowledge of building construction. Staff at all levels are encouraged to shoulder as much responsibility as their experience permits.

PRINCIPAL ASSISTANT ARCHITECT POST NO. HE8

Salary: £11,952 - £13,853 p.a. Grade: PO

(Essential User Car Allowance) The applicants for this post must have been a Registered Architect for at least five years and have had previous experience on Local Authority housing developments. They will need to demonstrate leadership qualities and organisational skills.

SENIOR ARCHITECT POST NO. HE104

Salary: £10,689 - £11,271 p.a. Grade: SO1

(Essential User Car Allowance) The applicants for this post are required to be Registered Architects. They will be expected to handle projects in varying sizes from inception to completion, either on their own or as a leader of a small team.

SENIOR ARCHITECTURAL ASSISTANT POST NO. HE44

Salary: £8,391 - £9,216 p.a. Grade: Scale 5

(Essential User Car Allowance) The applicants for this post must have held RIBA Part 1 for 2/3 years.

ARCHITECTURAL TECHNICIAN POST NO. HE48

Salary: £6,608 - £7,158 p.a. Grade: Scale 3

Applicants should have held NSAA for at least one year and should be capable of organising small projects.

The Council has a generous relocation scheme, offering assistance towards legal and estate agents fees, removal expenses etc., and temporary housing may be offered, if appropriate.

For further information and an informal discussion telephone the Principal Architect, Eddie Boyle, on Wokingham (0734) 788833, extn. 338.

For an application form and job description, returnable by the 31st October, 1988, please contact the Personnel Department, District Secretary's Department, Council Offices, Trinity Court, Emmvlew Close, Wokingham, Berkshire RG11 9AE. Telephone: Wokingham (0734) 788833, extn. 206 or 207, quoting reference HE8, HE104, HE44 or HE48.

WOKINGHAM DISTRICT COUNCIL

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We will ask you to take on the responsibility of a project landscape architect or ask you to work as part of a multi-discipline team.

Candidates must have several years experience in a range of landscape work in the

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You will be a member of a team of landscape architects, and will work with them on a range of projects. You must have an aptitude for design and you should be a

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Please write giving full career and salary details to:

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Atkins Sheppard Fidler and Associates

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need an

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Salary £10,300 per annum pro rata. Hours negotiable. We regret the office is not accessible for wheelchair users. Full access code with job description.

Ring or write for application form (forms to be returned by 8th November 1988), 2 Broadbury Street, London N16 5JH. Tel: 01-589 1802.

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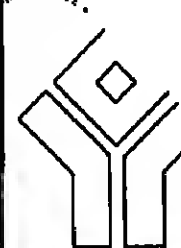
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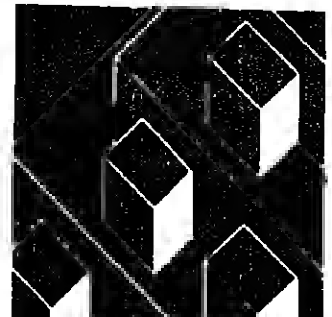
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The Division takes pride in the financial viability and as such is a relatively small unit. An increase in the workload generally, however, means that the Division can now offer the following posts to enthusiastic applicants with commitment to achieving programmed objectives and of providing the best service possible to our clients.

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POA £11,952 - £12,894

The successful applicant will be a registered Architect and will be principally employed in the design of projects within the Housing Development Group. He/she will be responsible to the Group Architect and should be able to demonstrate a good design ability in this field. As much of the Group work is in the field of residential housing, some experience in this area would also be of value.
(Post Ref. No. 88.26)

ARCHITECTURAL ASSISTANTS
(2 posts) SO1/2 £10,569 - £12,297

The successful candidates should hold a minimum qualification of HNC (Building) and should have had several years experience in an Architect's Office, with ability to produce working drawings for major schemes, and not only be capable of office work and site supervision, but also the coordination of work of other staff. Design experience would also be an advantage for these posts.
(Post Ref. Nos. 88.26, 88.27)

ARCHITECTURAL ASSISTANT
Scale 5/6 £8,391 - £10,164

The successful applicant should hold a minimum qualification of HNC/HTEC and be capable of producing working drawings with the minimum of supervision with an Architect led group. He/she should have had some experience of site supervision, but more importantly for this post, some knowledge of, or interest in, computer aided drafting would be an advantage. (The Division has a four terminal facility).
(Post Ref. No. 88.28)

ARCHITECTURAL TECHNICIAN
Grade 3/4 £6,606 - £8,172

This successful applicant for this post should have achieved the qualification ONC/TEC (Building). He/she should be able to demonstrate a good level of building construction knowledge and drawing technique. An understanding of computer aided drafting would also be an advantage.
(Post Ref. No. 88.29)

On allowances and/or local schemes are applicable to all the above posts. Applicants should possess a current driving licence.
Requests for application forms (accompanied by a s.e.c. 1) should be addressed to The Chief Executive, (Personnel Section), Town Hall, Wakefield, WF1 2HQ, to be returned by 8 November, 1988, quoting post reference numbers.

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£9,300 + benefits Birmingham

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Applications giving details of age, education, qualifications and experience should be sent to:

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(Maximum 18 months)
Scale Technician Grade 1
£6,148 p.a.

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Candidates should possess Parts I & II of the Landscape Institutes examination and be qualified to degree standard or equivalent. The post would suit a 'year out' student or recent graduate.

Application forms available from above address, or telephone (0926) 27041 extension 340. For further information about the job telephone Susan Whitehurst on extension 334.
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Development and Works Executive
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For application forms and further details contact Mrs. Gill Bratt, Department of Planning & Property Services, Speedwell House, Speedwell Street, Oxford, OX1 1SD.
Tel: Oxford 018581.
Closing date: 7th November 1988.

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